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Report_ Vol_2

GENERAL ELECTRIC COMPANY

1 River Road
Schenectady, New York 12345

REPORT ON

RCRA FACILITY ASSESSMENT
SAMPLING VISIT

AT

GE BUFFALO SERVICE CENTER

175 Milens Road
TONAWANDA, NEW YORK

EPA I.D. No. NYD067539940

(Volume 2 - Attachment E: Aquatec QA/QC Report)

December 1988

LAWLER, MATUSKY & SKELLY ENGINEERS
Environmental Science & Engineering Consultants
One Blue Hill Plaza
Pearl River, New York 10965

Project No. 337-016

NARRATIVE

aquatec
ENVIRONMENTAL SERVICES
75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/658-1074

aquatec INC. ENVIRONMENTAL SERVICES

75 GREEN MOUNTAIN DRIVE, SOUTH BURLINGTON, VERMONT 05403, TELEPHONE (802) 658-1074

November 18, 1988

Mr. Craig Caldwell
Lawler Matusky & Skelly
53 Hudson Avenue
Nyack, NY 10960

Re: ETR 14944

Dear Mr. Caldwell:

Enclosed are the analtyical results for the samples listed below.

The samples were received intact by Aquatec on 9 September 1988.

The analtyical work was performed as requested on the documentation which accompanied the samples. These documents can be found in the sample handling section of the supportive documentation.

Laboratory numbers were assigned and designated as follows:

LMS ID	Aquatec	Sample Matrix
4471, 4475, 4476 field blank	88885	water
4474, 4477, 7263 field blank	88886	water
7258	88887	soil
7259	88888	soil
7260	88889	soil
7261	88890	soil
7262	88891	soil
7332, 7347	88892	soil
7342, 7252	88893	soil
7423, 7344	88894	soil

It should be noted that the initial 8010 and 8020 analyses of these samples were performed within 14 days of sample collection. The high concentration of 1,1,1-trichloroethene required that additional analyses be performed on samples 7342, 7252 and 7423, 7344. These analyses occurred beyond the method holding time. The 1,1,1-trichloroethene concentrations in these samples were derived from methanol extractions, the results for the other analytes were derived from direct analysis.

000001

The surrogate recoveries associated with the analysis of sample 7332, 7347 were low. However, the analytical results agree well with the replicate analysis of that sample.

Only two vials were received for each sample. Matrix analyses for the sample set were performed on vials that had been opened. Although the spike recoveries were good, the results showed evidence of component loss and were rejected for publication by internal quality assurance review.

Sincerely,

Kirk F. Young, P.E.

KFY/jg

Enclosure

88400B18NOV88

ANALYTICAL RESULTS

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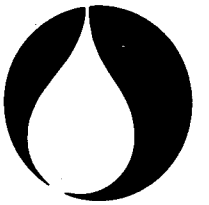
ANALYTICAL RESULTS



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ANALYTICAL REPORT

Lawler, Matusky and Skelly Engineers

Date: 10/18/88
Project No: 88400
ETR No: 14944
Sample(s) Received On: 9 September 1988
Page of

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater. All results are in mg/l unless otherwise noted.

Parameter	88885	88887	88888	88888 REP	88889	88890		
Petroleum Hydrocarbons (mg/l)	<5							
Petroleum Hydrocarbons (mg/Kg as received)		380	500	360	<50	2200		
% Solids		80.06	84.61		86.89	70.39		

Lab No.	Sample Description

88885. Water sample labeled 4471, 4475, 4476 field blank.

88887. Soil sample labeled 7258.

88888. Soil sample labeled 7259.

88888REP. Replicate of soil sample labeled 7259.

88889. Soil sample labeled 7260.

88890. Soil sample labeled 7261.

Submitted By: Joseph Comeau Aquatec Inc.

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ANALYTICAL REPORT

Lawler, Matusky & Skelly Engineers

Date: 4 November 1988
Project No: 88400
ETR No: 14944
Sample(s) Received On: 9 September 1988
Page 1 of 1

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

Parameter	88885							
Results by Method 8015								
Diethyl ether	<2							
Methyl ethyl ketone	<1							
Methyl isobutyl ketone	<1							
Paraldehyde	<1							
Ethanol	<1							
Acrylamide	<2							

Lab No.	Sample Description
88885	Lawler, Matusky & Skelly Engineers, water sample labeled 4471, 4475, 4476 field blank.

Submitted By: Joseph Comee

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ANALYTICAL REPORT

Lawler, Matusky & Skelly Engineers

Date: 4 November 1988
Project No: 88400
ETR No: 14944
Sample(s) Received On: 9 September 1988

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater. All results are in mg/l unless otherwise noted.

Parameter	88892	88893	88894	88894R	88894MS	Spike Added	% Recovery
Results by Method 8015 (mg/Kg as Received)							
Diethyl ether	<10	<10	<10	<10	296.4	394.9	75%
Methyl ethyl ketone	<5	<5	<5	<5	128.3	179.9	71%
Methyl isobutyl ketone	<5	<5	<5	<5	160.4	183.2	88%
Paraldehyde	<5	<5	<5	<5	240.4	249.5	96%
Ethanol	<5	<5	<5	<5	205.6	283.2	73%
Acrylamide	<10	<10	<10	<10	65.1	91.6	71%

Lab No.	Sample Description
88892	Lawler, Matusky & Skelly Engineers, soil sample labeled 7332, 7347.
88893	Lawler, Matusky & Skelly Engineers, soil sample labeled 7342, 7252.
88894	Lawler, Matusky & Skelly Engineers, soil sample labeled 7423, 7344.
88894R	Replicate of Lawler, Matusky & Skelly Engineers, soil sample labeled 7423, 7344.
88894MS	Matrix spike of Lawler, Matusky & Skelly Engineers, soil sample labeled 7423, 7344.

% Recovery = % Matrix Spike Recovery.

Submitted By: Joseph Com

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ANALYTICAL REPORT

Lawler, Matusky & Skelly Engineers

Date: 4 November 1988
Project No: 88400
ETR No: 14944
Sample(s) Received On: 9 September 1988

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
All results are in mg/l unless otherwise noted.

Parameter	88894MSD	Spike Added	% Recovery
Results by Method 8015 *			
Diethyl ether	296.4	418.3	71%
Methyl ethyl ketone	125.9	190.6	66%
Methyl isobutyl ketone	136.8	194.1	70%
Paraldehyde	194.8	264.4	74%
Ethanol	196.9	300.0	66%
Acrylamide	96.2	97.0	99%

* = Results in mg/Kg as received.

Lab No.	Sample Description
88894MSD	Matrix spike duplicate of Lawler, Matusky & Skelly Engineers, soil sample labeled 7423, 7344.

% Recovery = % Matrix Spike Recovery.

Submitted By: Joseph Comer

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ANALYTICAL REPORT

Aquatec Lab No.: B092088W6P
ETR No.: 14944
Sample Received On: 9 September 1988
Sample Identification: Method blank for Lawler, Matusky & Skelly Engineers, water sample labeled 4474, 4477, 7263 field blank.

PCB's in ug/l

PCB-1242	0.50 U
PCB-1254	1.00 U
PCB-1221	0.50 U
PCB-1232	0.50 U
PCB-1248	0.50 U
PCB-1260	1.00 U
PCB-1016	0.50 U

Percent Dibutyl Chlorendate Recovery = 82

Key to the letters used to qualify the results of the analysis:

U - The compound was analyzed for but not detected. The number is the detection limit for the compound.

LCB - Compound was found at low concentration, comparable to that in the blank. Quantitation is not possible.

C - The result has been corrected for the presence of the compound in the blank.

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ANALYTICAL REPORT

Aquatec Lab No.: 88886
ETR No.: 14944
Sample Received On: 9 September 1988
Sample Identification: Lawler, Matusky & Skelly Engineers, water sample labeled 4474, 4477, 7263 field blank.

PCB's in ug/l

PCB-1242	2.50 U
PCB-1254	5.00 U
PCB-1221	2.50 U
PCB-1232	2.50 U
PCB-1248	2.50 U
PCB-1260	5.00 U
PCB-1016	2.50 U

Percent Dibutyl Chlorendate Recovery = 129

Key to the letters used to qualify the results of the analysis:

U - The compound was analyzed for but not detected. The number is the detection limit for the compound.

LCB - Compound was found at low concentration, comparable to that in the blank. Quantitation is not possible.

C - The result has been corrected for the presence of the compound in the blank.

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ANALYTICAL REPORT

Aquatec Lab No.: B092188S1
ETR No.: 14944
Sample Received On: 9 September 1988
Sample Identification: Method blank for Lawler, Matusky & Skelly Engineers, soil sample labeled 7262 and matrix spike of soil sample labeled 7262.

PCB's in ug/Kg

PCB-1242	2000 U
PCB-1254	4000 U
PCB-1221	2000 U
PCB-1232	2000 U
PCB-1248	2000 U
PCB-1260	4000 U
PCB-1016	2000 U

Note: Sample was diluted 5 fold for analysis.

Percent Dibutyl Chlorendate Recovery = 91

Key to the letters used to qualify the results of the analysis:

U - The compound was analyzed for but not detected. The number is the detection limit for the compound.

LCB - Compound was found at low concentration, comparable to that in the blank. Quantitation is not possible.

C - The result has been corrected for the presence of the compound in the blank.

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ANALYTICAL REPORT

Aquatec Lab No.: 88891
ETR No.: 14944
Sample Received On: 9 September 1988
Sample Identification: Lawler, Matusky & Skelly Engineers, soil sample labeled 7262.

PCB's in ug/Kg

PCB-1242	40000 U
PCB-1254	80000 U
PCB-1221	40000 U
PCB-1232	40000 U
PCB-1248	40000 U
PCB-1260	175000
PCB-1016	40000 U

Note: Sample was diluted 100 fold for analysis.

Percent Dibutyl Chlorendate Recovery = 84

Key to the letters used to qualify the results of the analysis:

U - The compound was analyzed for but not detected. The number is the detection limit for the compound.

LCB - Compound was found at low concentration, comparable to that in the blank. Quantitation is not possible.

C - The result has been corrected for the presence of the compound in the blank.

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ANALYTICAL REPORT

Aquatec Lab No.: M88891
ETR No.: 14944
Sample Received On: 9 September 1988
Sample Identification: Matrix spike of Lawler, Matusky & Skelly Engineers, soil sample labeled 7262.

PCB's in ug/Kg

PCB-1242		40000 U
PCB-1254		80000 U
PCB-1221		40000 U
PCB-1232		40000 U
PCB-1248		40000 U
PCB-1260	200000	
PCB-1016		40000 U

Note: Sample was diluted 100 fold for analysis.

Percent Dibutyl Chlorendate Recovery = 80

Key to the letters used to qualify the results of the analysis:

U - The compound was analyzed for but not detected. The number is the detection limit for the compound.

LCB - Compound was found at low concentration, comparable to that in the blank. Quantitation is not possible.

C - The result has been corrected for the presence of the compound in the blank.

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ANALYTICAL REPORT

Aquatec Lab No.: AA092006
ETR No.: 14944, Project 88400
Sample Received On: N/A
Sample Identification: Method Blank for Lawler, Matusky & Skelly Engineers, water sample labeled 4471, 4475, 4476 field blank.

Volatile Organic Compounds (Method 8010/8020) in ug/l

benzene	<0.5
bromodichloromethane	<0.5
bromoform	<0.5
bromomethane	<0.5
carbon tetrachloride	<0.5
chlorobenzene	<0.5
chloroethane	<0.5
chloroform	<0.5
chloromethane	<0.5
dibromochloromethane	<0.5
1,2-dichlorobenzene	<0.5
1,3-dichlorobenzene	<0.5
1,4-dichlorobenzene	<0.5
1,1-dichloroethane	<0.5
1,2-dichloroethane	<0.5
1,1-dichloroethene	<0.5
cis-1,2-dichloroethene	<0.5
trans-1,2-dichloroethene	<0.5
1,2-dichloropropane	<0.5
cis-1,3-dichloropropene	<0.5
trans-1,3-dichloropropene	<0.5
ethylbenzene	<0.5
methylene chloride	0.9
1,1,2,2-tetrachloroethane	<0.5
tetrachloroethene	<0.5
toluene	<0.5
1,1,1-trichloroethane	<0.5
1,1,2-trichloroethane	<0.5
trichloroethene	<0.5
trichlorofluoromethane	<0.5
vinyl chloride	<0.5
xylenes	<0.5

Percent Surrogate Standard Recoveries

Method 8010	94%
Method 8020	99%

B = Analyte was found in blank.
L = Suspected laboratory contamination.
* = Result below method detection limit.
E = Concentration exceeds calibration range. See appropriate dilution.
D = Secondary dilution. See primary dilution for most accurate results.

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ANALYTICAL REPORT

Aquatec Lab No.: AA092006
ETR No.: 14944, Project 88400
Sample Received On: N/A
Sample Identification: Method Blank for Lawler Matusky & Skelly Engineers, soil sample labeled 7332, 7347 and replicate of soil sample labeled 7332, 7347.

Volatile Organic Compounds (Method 8010/8020) in ug/Kg

benzene	<2.0
bromodichloromethane	<2.0
bromoform	<2.0
bromomethane	<2.0
carbon tetrachloride	<2.0
chlorobenzene	<2.0
chloroethane	<2.0
chloroform	<2.0
chloromethane	<2.0
dibromochloromethane	<2.0
1,2-dichlorobenzene	<2.0
1,3-dichlorobenzene	<2.0
1,4-dichlorobenzene	<2.0
1,1-dichloroethane	<2.0
1,2-dichloroethane	<2.0
1,1-dichloroethene	<2.0
cis-1,2-dichloroethene	<2.0
trans-1,2-dichloroethene	<2.0
1,2-dichloropropane	<2.0
cis-1,3-dichloropropene	<2.0
trans-1,3-dichloropropene	<2.0
ethylbenzene	<2.0
methylene chloride	4.6
1,1,2,2-tetrachloroethane	<2.0
tetrachloroethene	<2.0
toluene	<2.0
1,1,1-trichloroethane	<2.0
1,1,2-trichloroethane	<2.0
trichloroethene	<2.0
trichlorofluoromethane	<2.0
vinyl chloride	<2.0
xylenes	<2.0

Percent Surrogate Standard Recoveries

Method 8010	94%
Method 8020	99%

B = Analyte was found in blank.
L = Suspected Laboratory contamination.
* = Result below method detection limit.
E = Concentration exceeds calibration range. See appropriate dilution.
D = Secondary dilution. See primary dilution for most accurate results.

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ANALYTICAL REPORT

Aquatec Lab No.: AA092807
ETR No.: 14944, Project 88400
Sample Received On: N/A
Sample Identification: Method Blank for Lawler, Matusky & Skelly Engineers, soil sample labeled 7342, 7252, and soil sample labeled 7423, 7344.

Volatile Organic Compounds (Method 8010/8020) in ug/Kg

benzene	<2.0
bromodichloromethane	<2.0
bromoform	<2.0
bromomethane	<2.0
carbon tetrachloride	<2.0
chlorobenzene	<2.0
chloroethane	<2.0
chloroform	<2.0
chloromethane	<2.0
dibromochloromethane	<2.0
1,2-dichlorobenzene	<2.0
1,3-dichlorobenzene	<2.0
1,4-dichlorobenzene	<2.0
1,1-dichloroethane	<2.0
1,2-dichloroethane	<2.0
1,1-dichloroethene	<2.0
cis-1,2-dichloroethene	<2.0
trans-1,2-dichloroethene	<2.0
1,2-dichloropropane	<2.0
cis-1,3-dichloropropene	<2.0
trans-1,3-dichloropropene	<2.0
ethylbenzene	<2.0
methylene chloride	<2.0
1,1,2,2-tetrachloroethane	<2.0
tetrachloroethene	<2.0
toluene	<2.0
1,1,1-trichloroethane	<2.0
1,1,2-trichloroethane	<2.0
trichloroethene	<2.0
trichlorofluoromethane	<2.0
vinyl chloride	<2.0
xylenes	<2.0

Percent Surrogate Standard Recoveries

Method 8010	97%
Method 8020	92%

B = Analyte was found in blank.
L = Suspected laboratory contamination.
* = Result below method detection limit.
E = Concentration exceeds calibration range. See appropriate dilution.
D = Secondary dilution. See primary dilution for most accurate results.

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ANALYTICAL REPORT

Aquatec Lab No.: 88885
ETR No.: 14944, Project 88400
Sample Received On: 9 September 1988
Sample Identification: Lawler, Matusky & Skelly Engineers, water sample labeled 4471, 4475, 4476 field blank.

Volatile Organic Compounds (Method 8010/8020) in ug/l

benzene	<0.5
bromodichloromethane	<0.5
bromoform	<0.5
bromomethane	<0.5
carbon tetrachloride	<0.5
chlorobenzene	<0.5
chloroethane	<0.5
chloroform	<0.5
chloromethane	<0.5
dibromochloromethane	<0.5
1,2-dichlorobenzene	<0.5
1,3-dichlorobenzene	<0.5
1,4-dichlorobenzene	<0.5
1,1-dichloroethane	<0.5
1,2-dichloroethane	<0.5
1,1-dichloroethene	<0.5
cis-1,2-dichloroethene	<0.5
trans-1,2-dichloroethene	<0.5
1,2-dichloropropane	<0.5
cis-1,3-dichloropropene	<0.5
trans-1,3-dichloropropene	<0.5
ethylbenzene	<0.5
methylene chloride	8.4B
1,1,2,2-tetrachloroethane	<0.5
tetrachloroethene	<0.5
toluene	<0.5
1,1,1-trichloroethane	0.8
1,1,2-trichloroethane	<0.5
trichloroethene	<0.5
trichlorofluoromethane	<0.5
vinyl chloride	<0.5
xylenes	<0.5

Percent Surrogate Standard Recoveries

Method 8010	81%
Method 8020	77%

B = Analyte was found in blank.
L = Suspected laboratory contamination.
* = Result below method detection limit.
E = Concentration exceeds calibration range. See appropriate dilution.
D = Secondary dilution. See primary dilution for most accurate results

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ANALYTICAL REPORT

Aquatec Lab No.: 88892
ETR No.: 14944 Project 88400
Sample Received On: 9 September 1988
Sample Identification: Lawler, Matusky, & Skelly Engineers soil sample labeled, 7332, 7347.

Volatile Organic Compounds (Method 8010/8020) in ug/Kg as Received

benzene	<8.0
bromodichloromethane	<8.0
bromoform	<8.0
bromomethane	<8.0
carbon tetrachloride	<8.0
chlorobenzene	<8.0
chloroethane	<8.0
chloroform	<8.0
chloromethane	<8.0
dibromochloromethane	<8.0
1,2-dichlorobenzene	<8.0
1,3-dichlorobenzene	<8.0
1,4-dichlorobenzene	<8.0
1,1-dichloroethane	58
1,2-dichloroethane	<8.0
1,1-dichloroethene	17
cis-1,2-dichloroethene	<8.0
trans-1,2-dichloroethene	<8.0
1,2-dichloropropane	<8.0
cis-1,3-dichloropropene	<8.0
trans-1,3-dichloropropene	<8.0
ethylbenzene	<8.0
methylene chloride	100B
1,1,2,2-tetrachloroethane	<8.0
tetrachloroethene	<8.0
toluene	<8.0
1,1,1-trichloroethane	1300
1,1,2-trichloroethane	<8.0
trichloroethene	<8.0
trichlorofluoromethane	<8.0
vinyl chloride	<8.0
xylenes	<8.0

Percent Surrogate Standard Recoveries

Method 8010	65%
Method 8020	59%

B - Analyte was found in blank.
L - Suspected laboratory contamination.
* - Result below method detection limit.
E - Concentration exceeds calibration range. See appropriate dilution.
D - Secondary dilution. See primary dilution for more accurate results.

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ANALYTICAL REPORT

Aquatec Lab No.: 88892R
ETR No.: 14944 Project 88400
Sample Received On: 9 September 1988
Sample Identification: Replicate of Lawler, Matusky, & Skelly Engineers soil sample labeled, 7332, 7347.

Volatile Organic Compounds (Method 8010/8020) in ug/Kg as Received

benzene	<19
bromodichloromethane	<19
bromoform	<19
bromomethane	<19
carbon tetrachloride	<19
chlorobenzene	<19
chloroethane	<19
chloroform	<19
chloromethane	<19
dibromochloromethane	<19
1,2-dichlorobenzene	<19
1,3-dichlorobenzene	<19
1,4-dichlorobenzene	<19
1,1-dichloroethane	46
1,2-dichloroethane	<19
1,1-dichloroethene	12*
cis-1,2-dichloroethene	<19
trans-1,2-dichloroethene	<19
1,2-dichloropropane	<19
cis-1,3-dichloropropene	<19
trans-1,3-dichloropropene	<19
ethylbenzene	<19
methylene chloride	290B
1,1,2,2-tetrachloroethane	<19
tetrachloroethene	<19
toluene	<19
1,1,1-trichloroethane	1000
1,1,2-trichloroethane	<19
trichloroethene	<19
trichlorofluoromethane	<19
vinyl chloride	<19
xylenes	<19

Percent Surrogate Standard Recoveries

Method 8010	83%
Method 8020	129%

B - Analyte was found in blank.
L - Suspected laboratory contamination.
* - Result below method detection limit.
E - Concentration exceeds calibration range. See appropriate dilution.
D - Secondary dilution. See primary dilution for more accurate results.

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ANALYTICAL REPORT

Aquatec Lab No.: 88893
ETR No.: 14944, Project 88400
Sample Received On: 9 September 1988
Sample Identification: Lawler, Matusky & Skelly Engineers, soil sample labeled, 7342, 7252.

Volatile Organic Compounds (Method 8010/8020) in ug/Kg as Received

benzene	<2.0
bromodichloromethane	<2.0
bromoform	<2.0
bromomethane	<2.0
carbon tetrachloride	<2.0
chlorobenzene	<2.0
chloroethane	<2.0
chloroform	<2.0
chloromethane	<2.0
dibromochloromethane	<2.0
1,2-dichlorobenzene	<2.0
1,3-dichlorobenzene	<2.0
1,4-dichlorobenzene	<2.0
1,1-dichloroethane	290
1,2-dichloroethane	29
1,1-dichloroethene	170
cis-1,2-dichloroethene	<2.0
trans-1,2-dichloroethene	<2.0
1,2-dichloropropane	<2.0
cis-1,3-dichloropropene	<2.0
trans-1,3-dichloropropene	<2.0
ethylbenzene	<2.0
methylene chloride	4L
1,1,2,2-tetrachloroethane	<2.0
tetrachloroethene	<2.0
toluene	18
1,1,1-trichloroethane	20000
1,1,2-trichloroethane	<2.0
trichloroethene	<2.0
trichlorofluoromethane	<2.0
vinyl chloride	<2.0
xylenes	<2.0

Percent Surrogate Standard Recoveries

Method 8010	87%
Method 8020	89%

B = Analyte was found in blank.
L = Suspected laboratory contamination
* = Result below method detection limit.
E = Concentration exceeds calibration range. See appropriate dilution.
D = Secondary dilution. See primary dilution for most accurate results.

000013

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ENVIRONMENTAL SERVICES
75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/658-1074

ANALYTICAL REPORT

Aquatec Lab No.: 88894
ETR No.: 14944, Project 88400
Sample Received On: 9 September 1988
Sample Identification: Lawler, Matusky & Skelly Engineers, soil sample labeled, 7423, 7344.

Volatile Organic Compounds (Method 8010/8020) in ug/Kg as Received

benzene	<2.0
bromodichloromethane	<2.0
bromoform	<2.0
bromomethane	<2.0
carbon tetrachloride	<2.0
chlorobenzene	<2.0
chloroethane	<2.0
chloroform	<2.0
chloromethane	<2.0
dibromochloromethane	<2.0
1,2-dichlorobenzene	<2.0
1,3-dichlorobenzene	<2.0
1,4-dichlorobenzene	<2.0
1,1-dichloroethane	48
1,2-dichloroethane	61
1,1-dichloroethene	120
cis-1,2-dichloroethene	<2.0
trans-1,2-dichloroethene	<2.0
1,2-dichloropropane	<2.0
cis-1,3-dichloropropene	<2.0
trans-1,3-dichloropropene	<2.0
ethylbenzene	<2.0
methylene chloride	3L
1,1,2,2-tetrachloroethane	<2.0
tetrachloroethene	<2.0
toluene	120
1,1,1-trichloroethane	20000
1,1,2-trichloroethane	<2.0
trichloroethene	<2.0
trichlorofluoromethane	<2.0
vinyl chloride	<2.0
xylenes	<2.0

Percent Surrogate Standard Recoveries

Method 8010	90%
Method 8020	88%

B = Analyte was found in blank.
L = Suspected laboratory contamination.
* = Result below method detection limit.
E = Concentration exceeds calibration range. See appropriate dilution.
D = Secondary dilution. See primary dilution for most accurate results.

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ANALYTICAL REPORT

Lawler, Matusky and Skelly Engineers

Date: 11/07/88
Project No: 88400
ETR No:14944
Sample(s) Received On: 9 September 1988
Page of

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater. All results are in mg/l unless otherwise noted.

Parameter	88892	88893	88894					
% Solids	84.16	85.50	87.50					

Lab No.	Sample Description
88892	Lawler, Matusky & Skelly Engineers soil sample labeled 7332,7347.
88893	Lawler, Matusky & Skelly Engineers soil sample labeled 7342,7252.
88894	Lawler, Matusky & Skelly Engineers soil sample labeled 7423,7344.

Submitted By: Joseph Com

Aquatec Inc.

000023

QC SUMMARY

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75 Green Mountain Drive, So. Burlington, VT 05403
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Soil Pesticide Matrix Spike Recovery

Client: Lawler, Matusky & Skelly Engineers
ETR No.: 14944
Lab Sample No.: 88891
Client Sample No.: LMS soil sample labeled 7262

Compound	Spike Added (ug/kg)	Sample Concentration (ug/kg)	MS Concentration (ug/kg)	MS % Rec
lindane	60.4	*	*	-
heptachlor	60.4	0.0	73.8	122
aldrin	60.4	*	*	-
dieldrin	151.0	*	*	-
endrin	151.0	*	*	-
p,p'-DDT	151.0	*	*	-

* Sample concentration precludes quantitation of matrix spike compounds.

DUPLICATE ANALYSIS

METHODS: 8010 and 8020

ETR no. 14944

Client sample ID : 7332,7347

Aquatec sample ID : 88892

COMPOUND	SAMPLE RESULTS (ug/Kg)	REPLICATE RESULTS (ug/Kg)	RPD
1,1-dichloroethane	17	12	34
methylene chloride	100 L	290 L	97
1,1-dichloroethane	58	46	23
1,1,1-trichloroethane	1300	1000	26

L= Suspected laboratory contaminant.

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PETROLEUM HYDROCARBON

SUPPORTIVE DOCUMENTATION

LMS

9/21/88 Petroleum Hydrocarbons JC

Standards Stock ρ = 0.8267 g/ml

	ul/100 ml	mg/100 ml	BKGD Corr Abs.	Back Calc
	0	0	0	
	.5	.413	0	—
4	2	1.653	3.5	1.1497
4	5	4.138	9.2	3.8440
4	15	12.400	30	13.6759
4	40	33.067	70	32.5833

x = mm

y = mg/100 ml

Slope = 0.4727
Int = -.5047
R = 0.9982
n = 4

$$\text{True Conc} = [\text{Raw Conc Spl} - \text{Raw Conc Blank}] \times \frac{\text{Vol Ext}^{ml}}{(100)} \times \frac{1000 \text{ kg/g}}{\text{g Spl}}$$

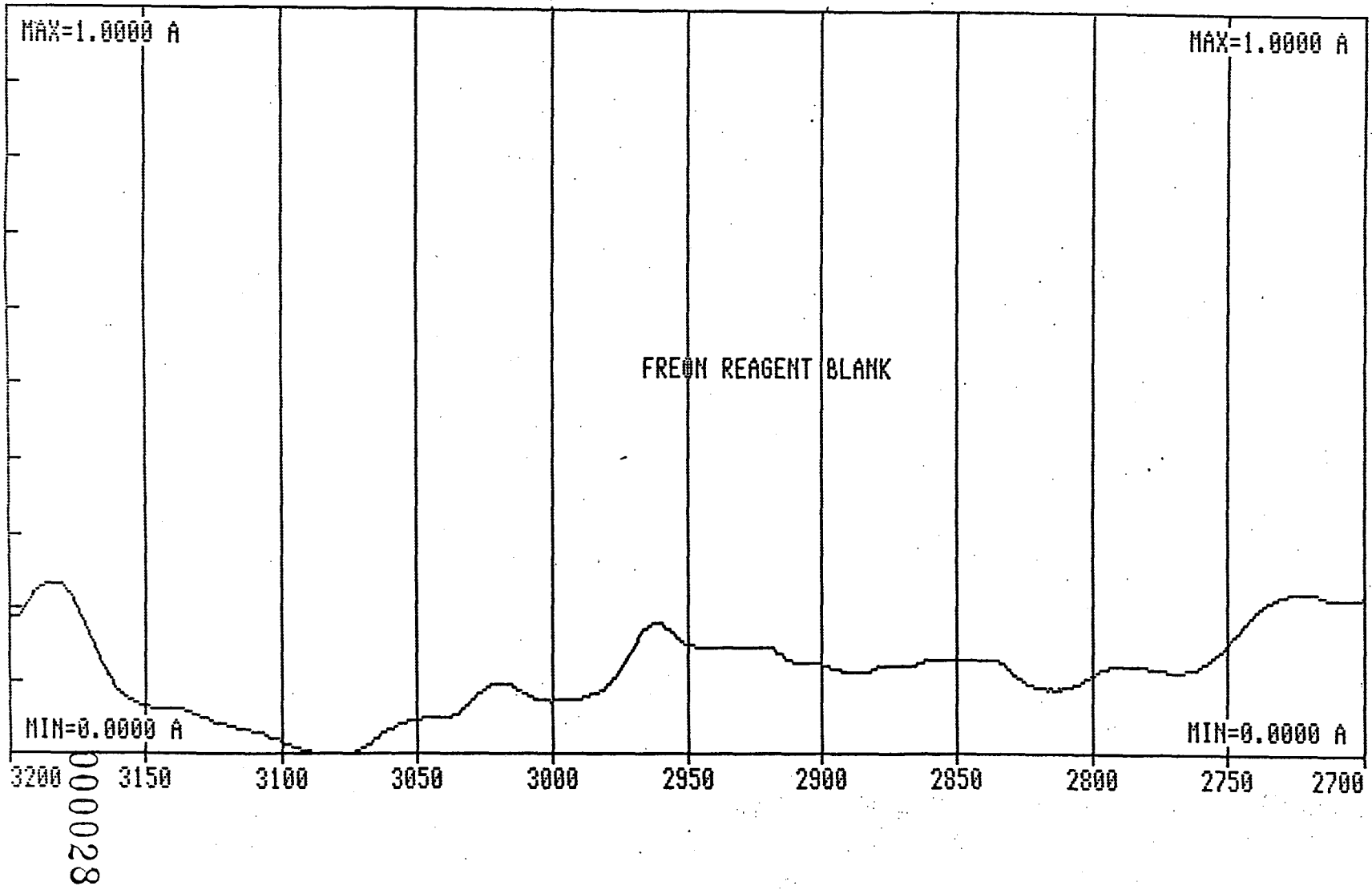
Soil

Lab #	mm	Raw Conc	ml ext	wt (g) Spl	True mg/kg
Blank	8.3	0.58	180	20	0
88887	12.5	5.40	163	20.68	380
88888	15.5	6.96	169	21.46	500
88888R	12.1	5.21	159	20.64	360
88889	3.1	0.96	165	20.47	<50
88890	67	31.17	151	20.94	2200

Water

Blank	10.8	4.60	100	1000	—
88885	12.0	5.17	100	357	<5 mg/l

(1)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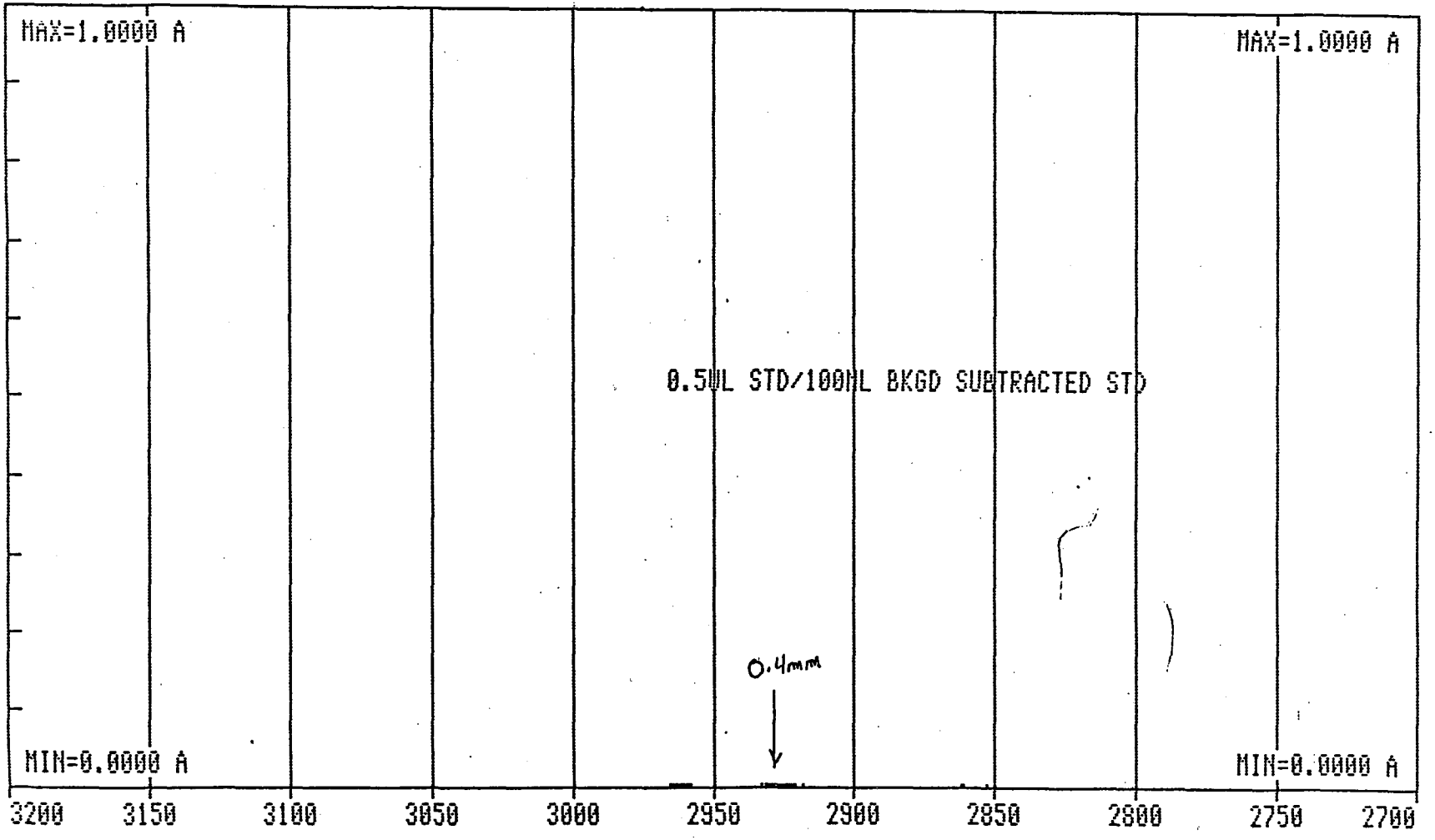
MAX=1.0000 A
FREON REAGENT BLANK
MIN=0.0000 A
MIN=0.0000 A
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

000028

(2)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MAX=1.0000 A
0.5UL STD/100NL BKGD SUBTRACTED STD
0.4mm
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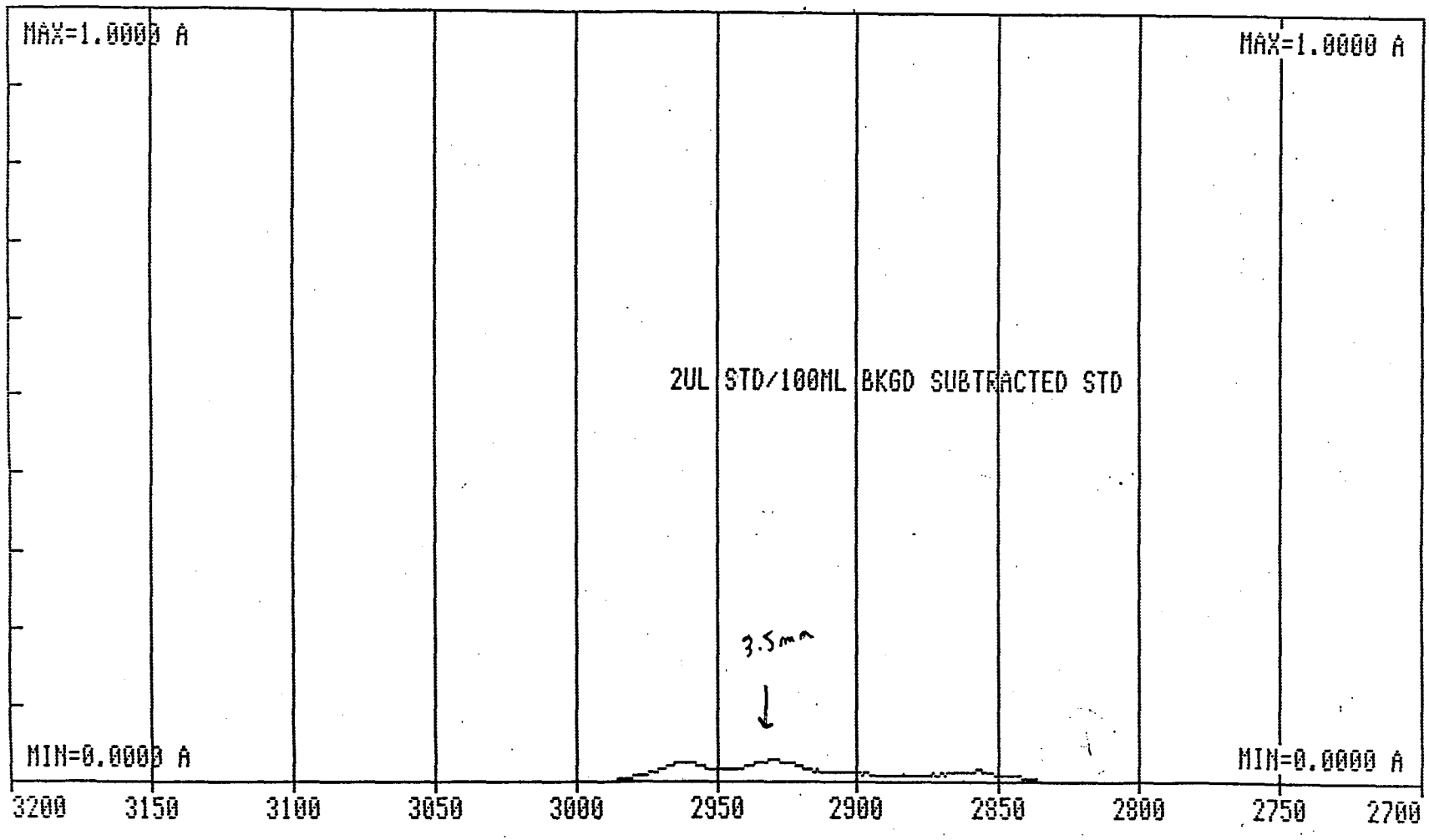
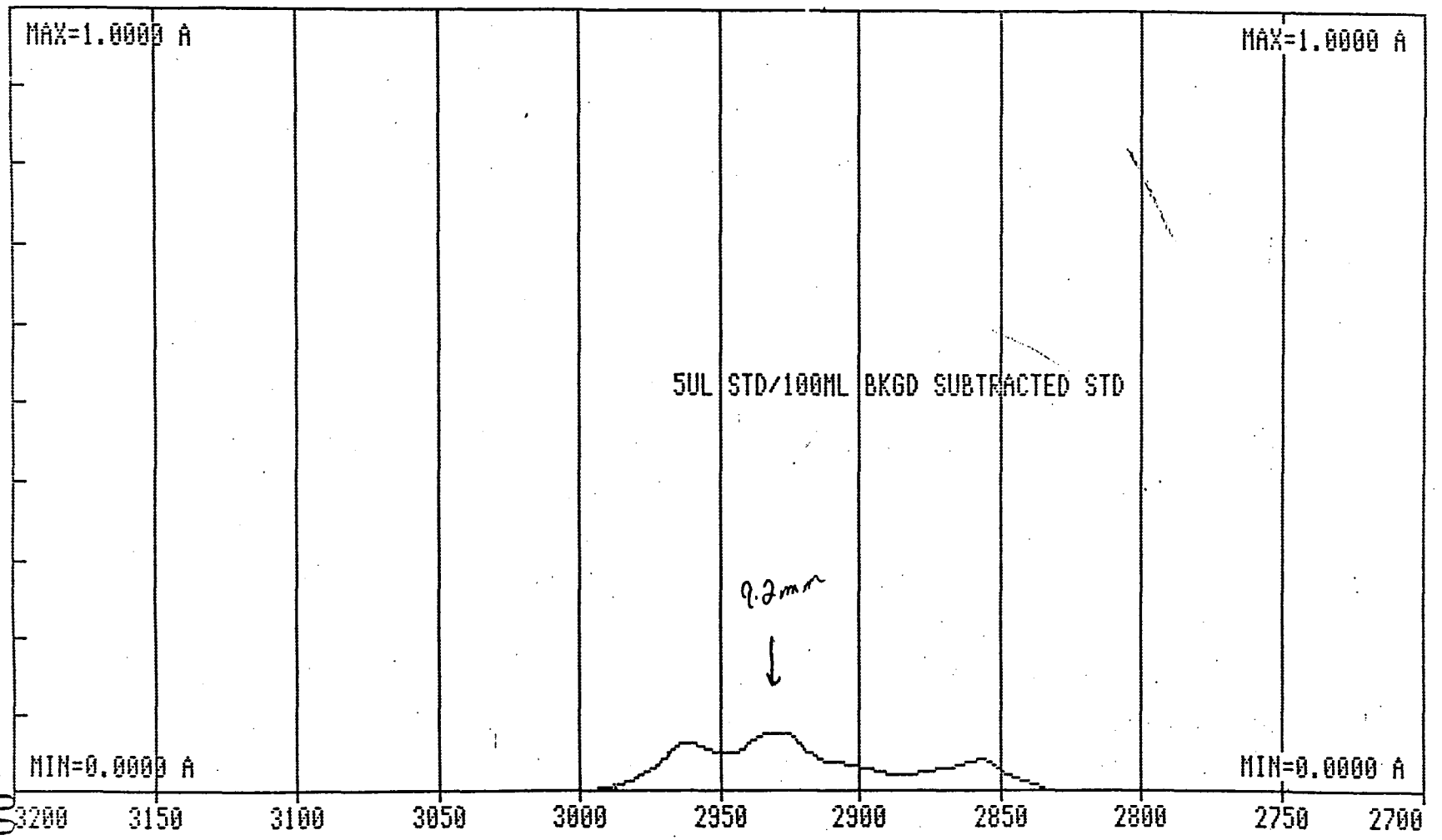
MIN=0.0000 A
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

000029


3
MAX=1.0000 A
MAX=1.0000 A
2UL STD/100ML BKGD SUBTRACTED STD
3.5mm
MIN=0.0000 A
MIN=0.0000 A
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

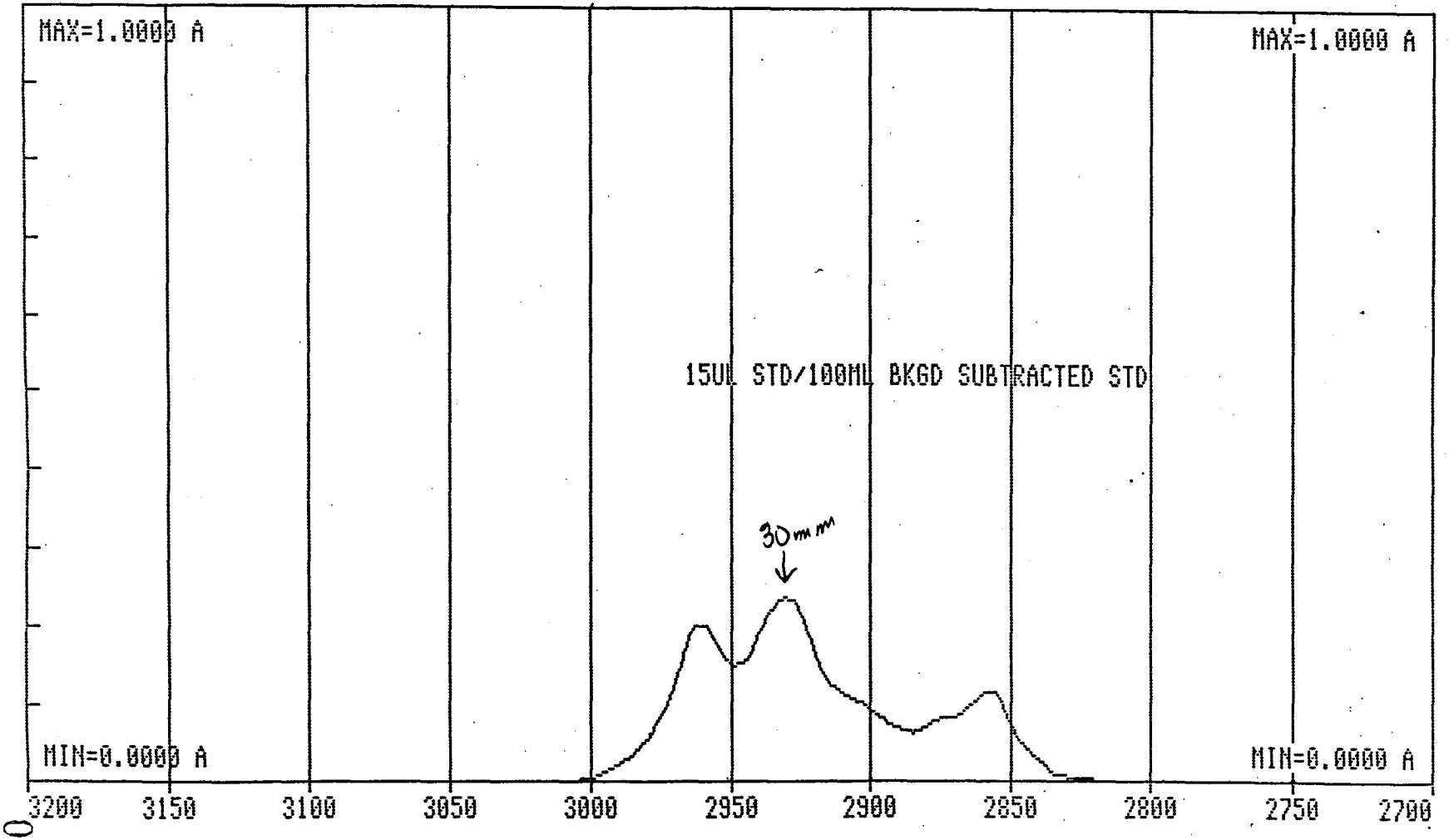
000030

(4)


MAX=1.0000 A
MAX=1.0000 A
5UL STD/100ML BKGD SUBTRACTED STD
9.2mm
MIN=0.0000 A
MIN=0.0000 A
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

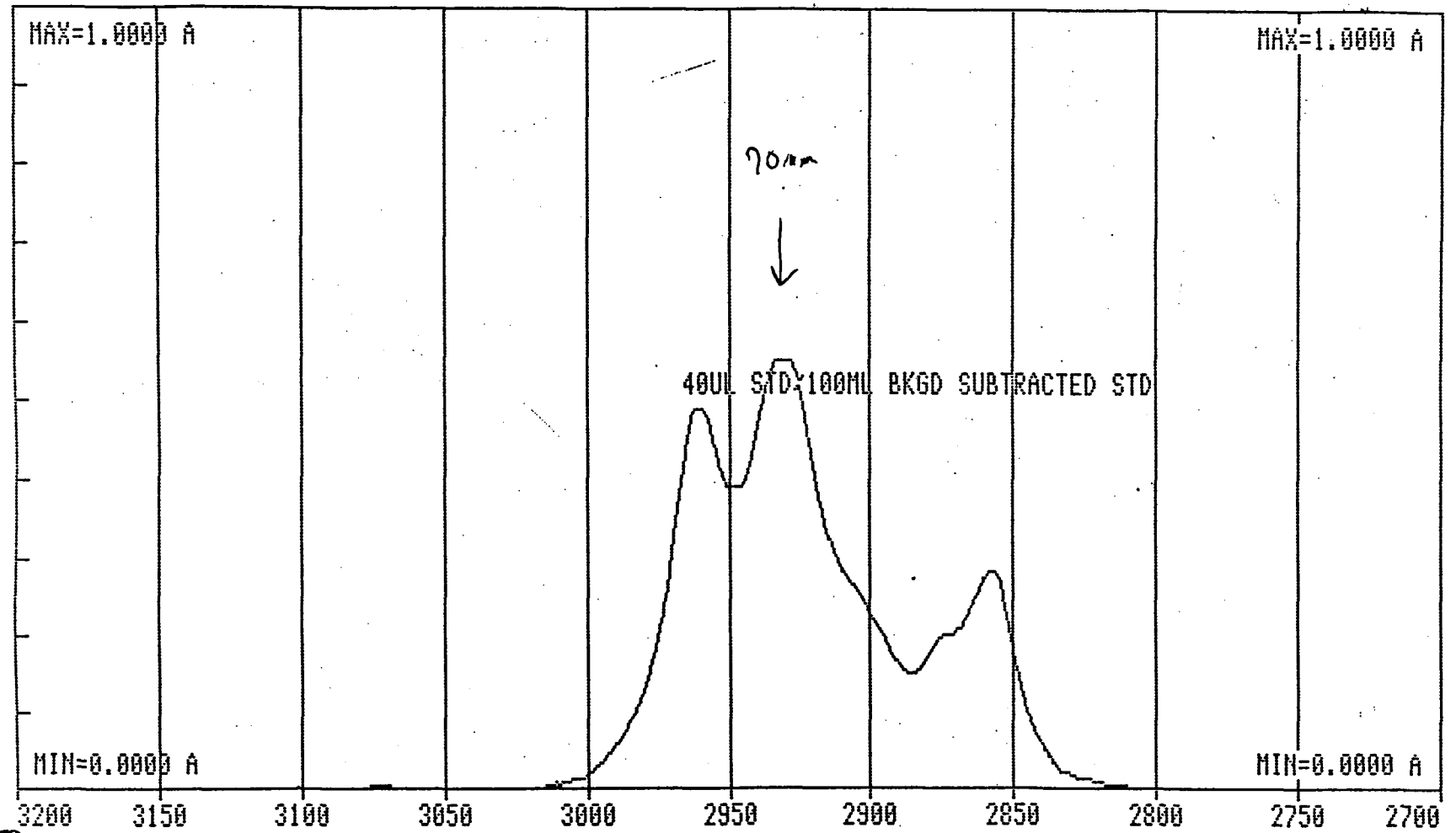
0000031

(5)

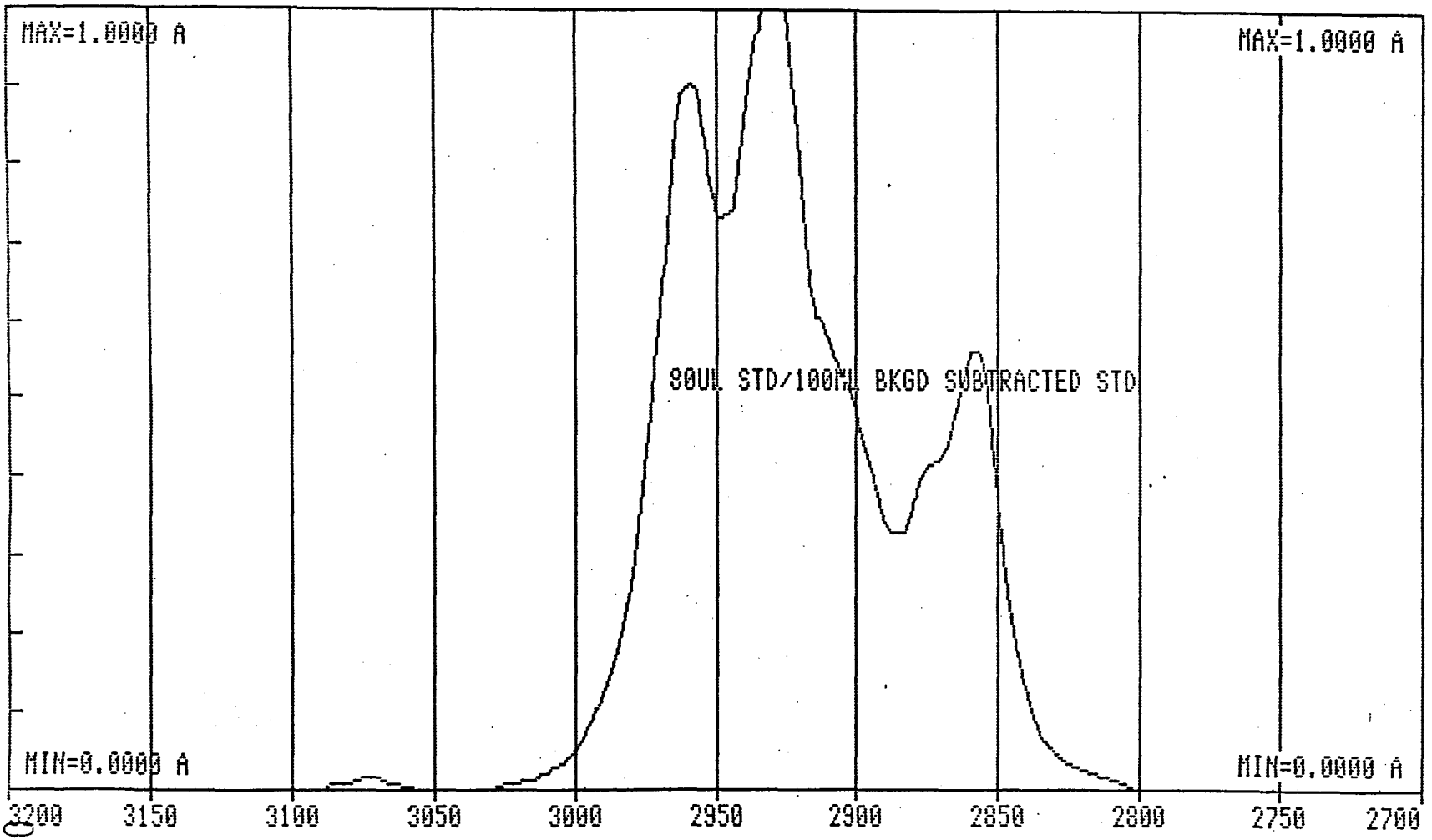

MAX=1.0000 A
MAX=1.0000 A
15UL STD/100ML BKGD SUBTRACTED STD
30 mm mm
MIN=0.0000 A
MIN=0.0000 A
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

000032

(6)


MAX=1.0000 A
MAX=1.0000 A
70nm
40UL STD-100ML BKGD SUBTRACTED STD
MIN=0.0000 A
MIN=0.0000 A
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

(7)


MAX=1.0000 A
MAX=1.0000 A
80UL STD/100ML BKGD SUBTRACTED STD
MIN=0.0000 A
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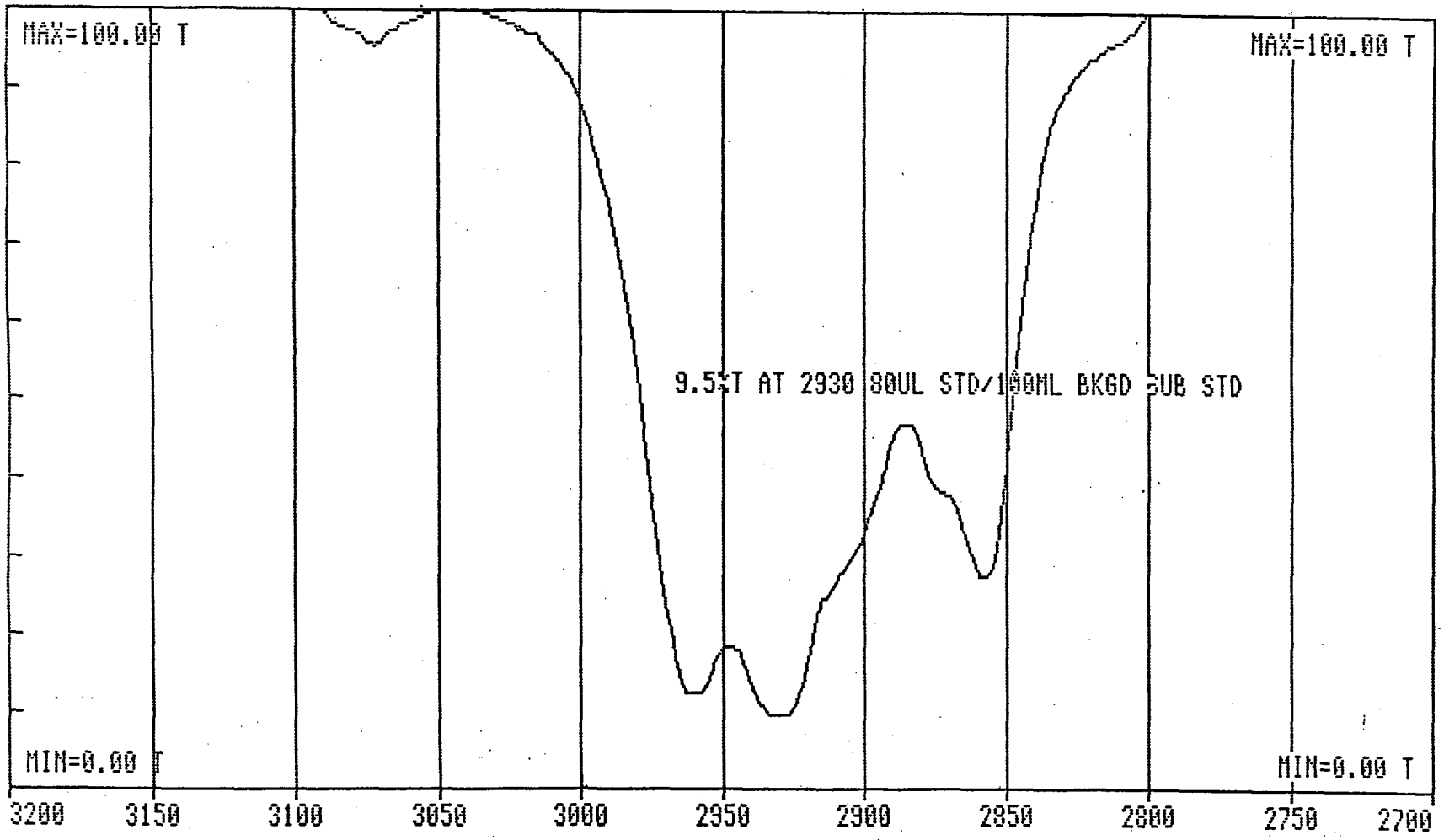
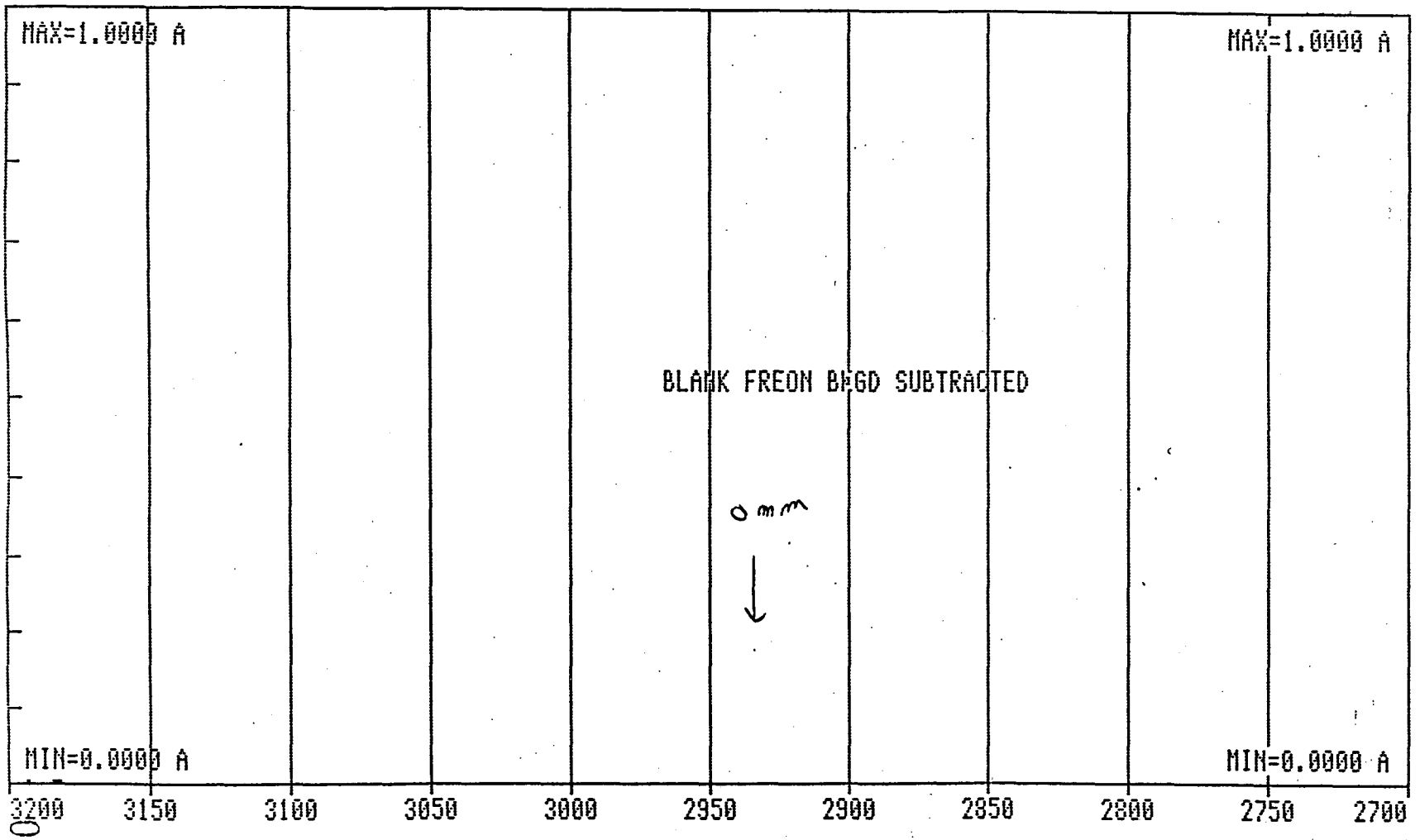
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

7a

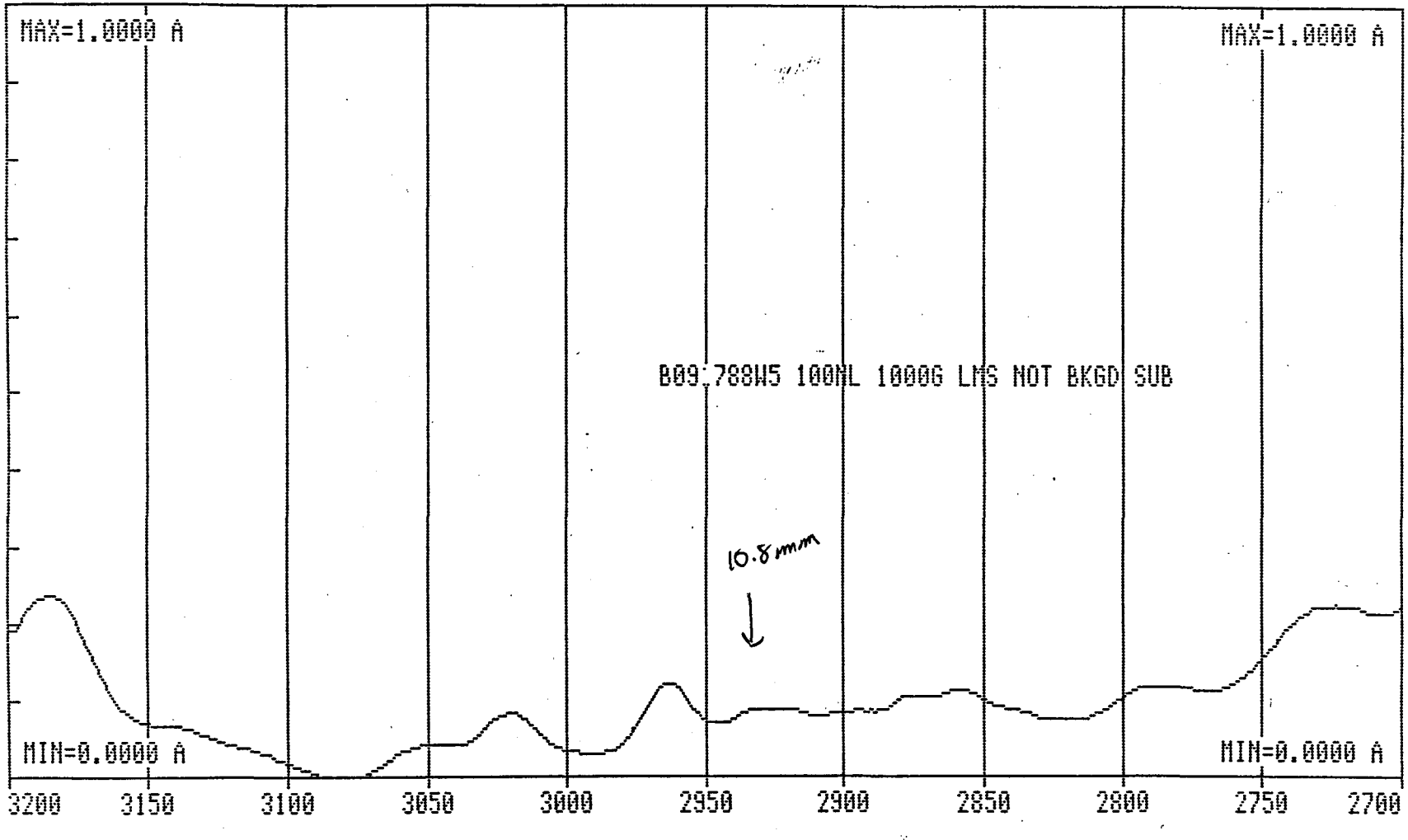

MAX=100.00 T
MAX=100.00 T
9.5%T AT 2930 80UL STD/100ML BKGD SUB STD
MIN=0.00 T
MIN=0.00 T
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

0000035

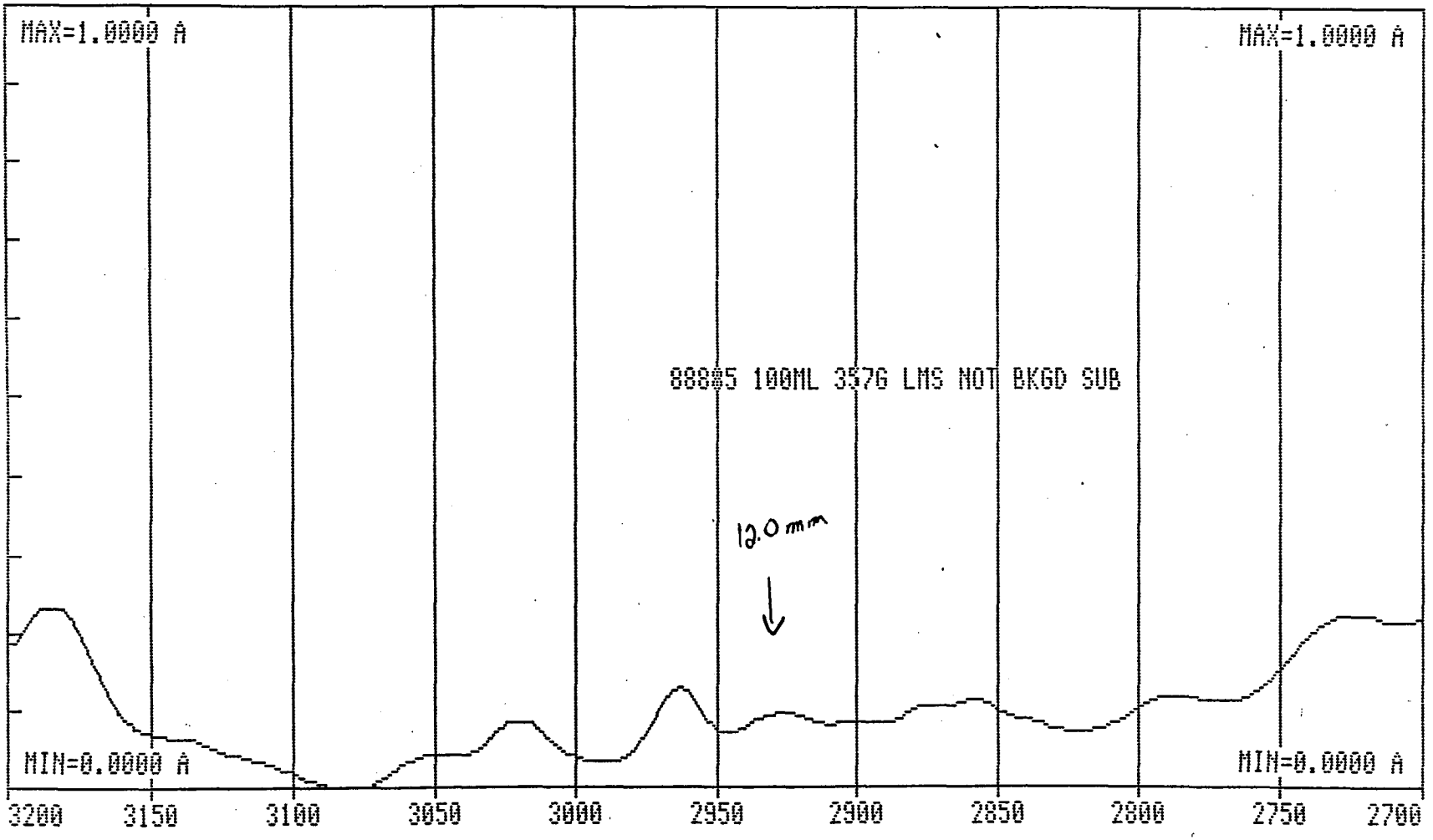
(8)


MAX=1.0000 A
MAX=1.0000 A
BLANK FREON BKGD SUBTRACTED
0 mm
MIN=0.0000 A
MIN=0.0000 A
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

15

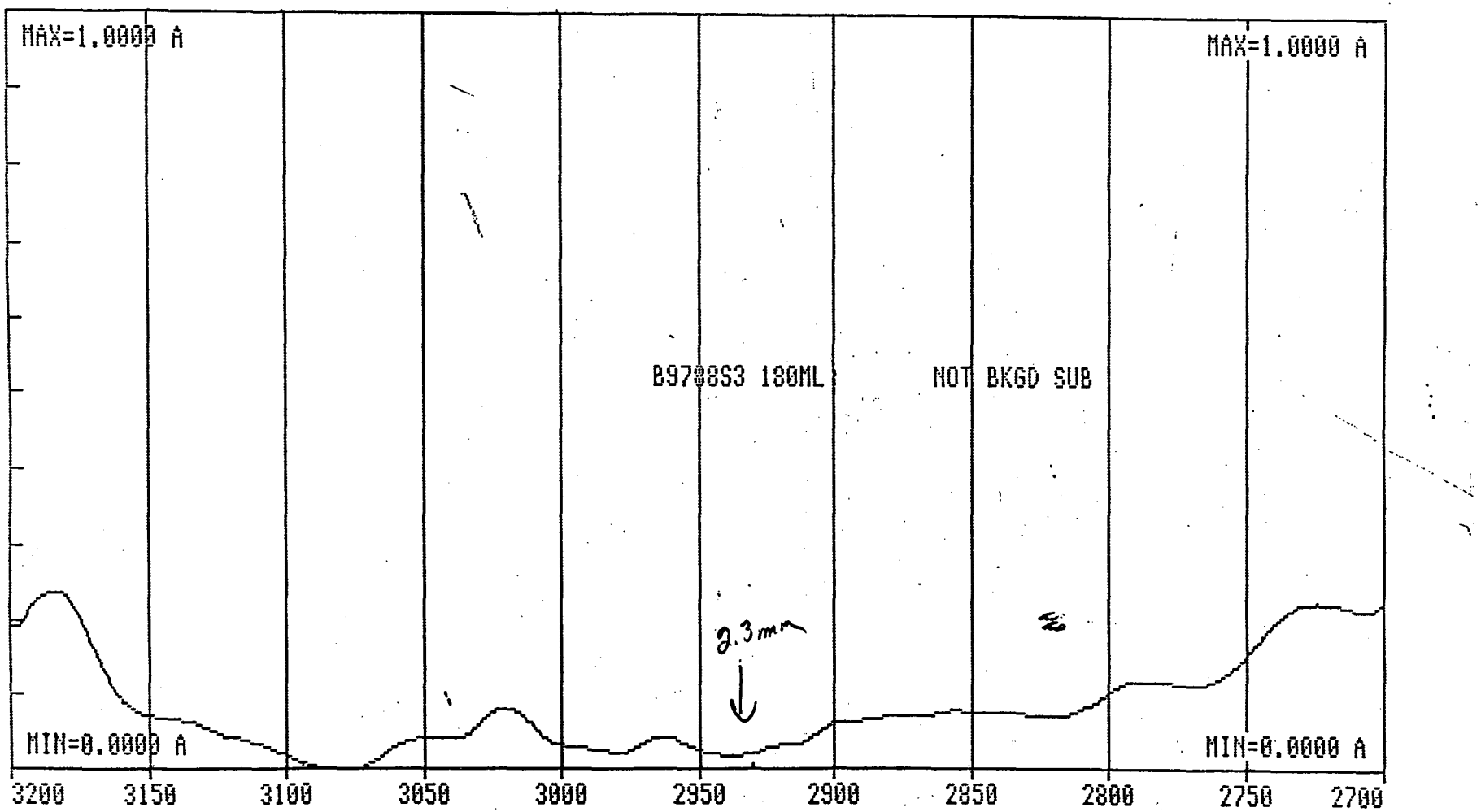

MAX=1.0000 A
MAX=1.0000 A
B09.788W5 100NL 1000G LMS NOT BKGD SUB
10.8 mm
MIN=0.0000 A
MIN=0.0000 A
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

16

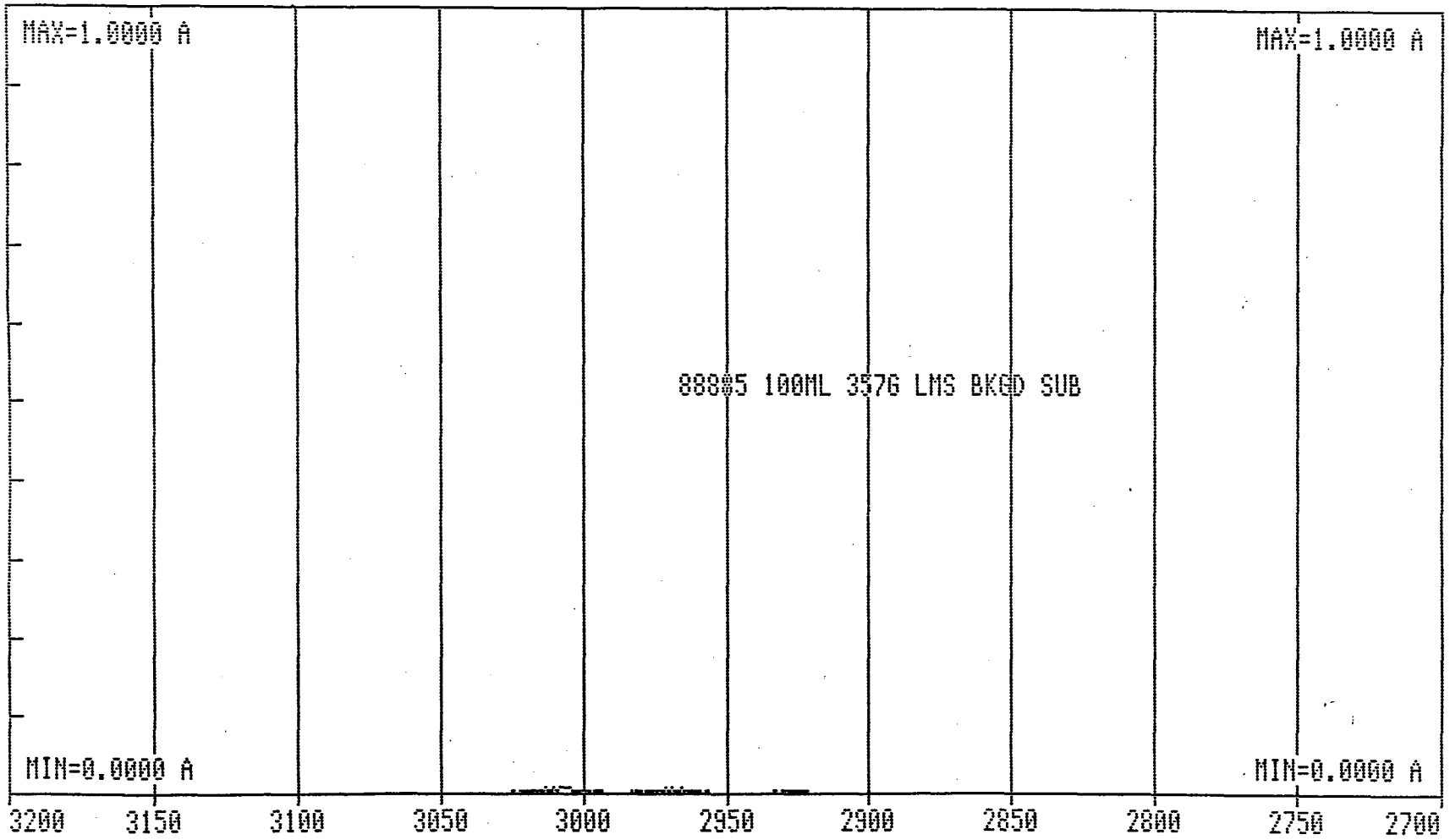

MAX=1.0000 A
MAX=1.0000 A
888@5 100ML 357G LMS NOT BKGD SUB
12.0 mm
MIN=0.0000 A
MIN=0.0000 A
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

000033

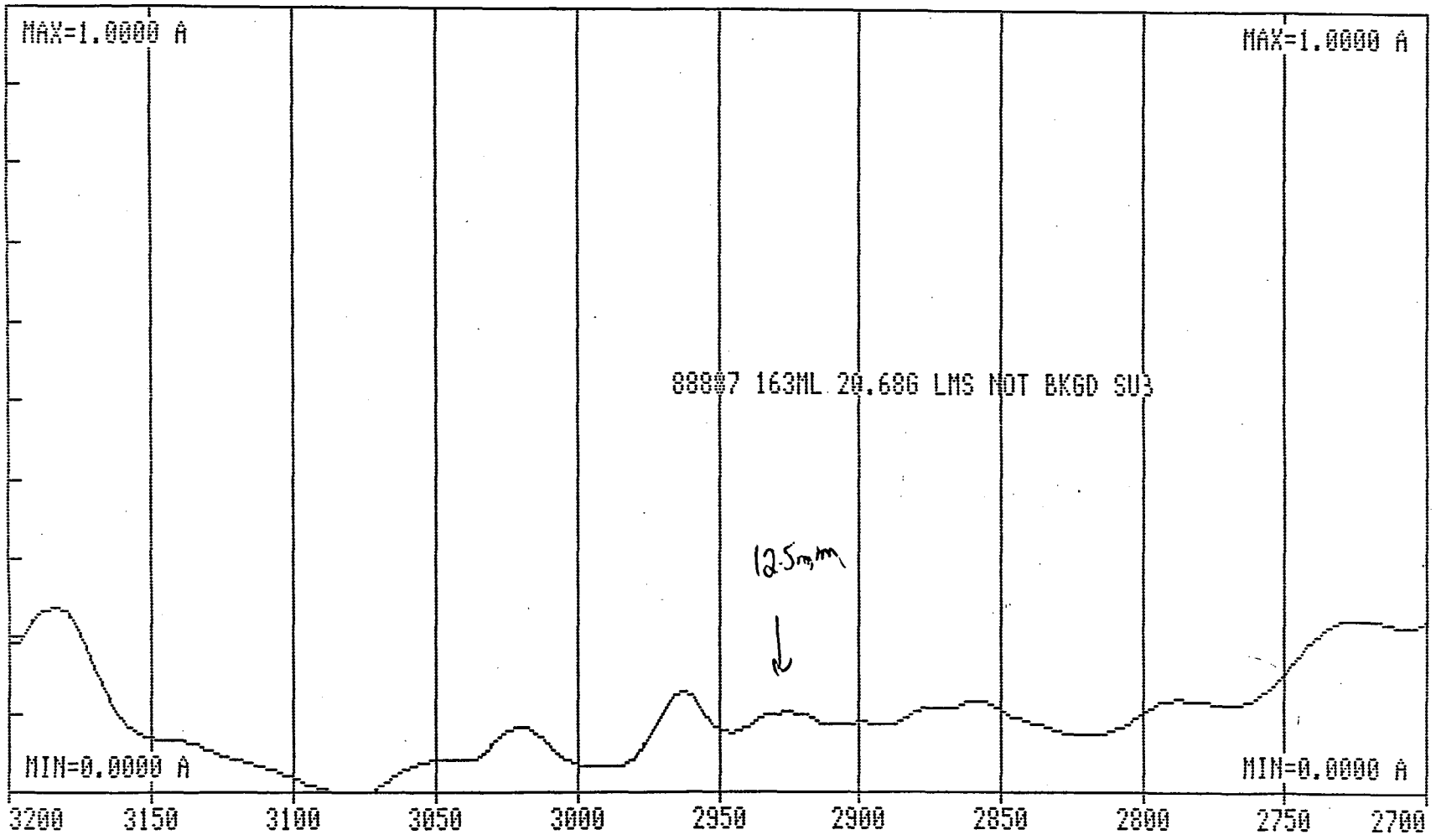
(9)


MAX=1.0000 A
MAX=1.0000 A
B9708S3 180ML
NOT BKGD SUB
2.3mm
MIN=0.0000 A
MIN=0.0000 A
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

(17)


MAX=1.0000 A
MAX=1.0000 A
888@5 100ML 3576 LMS BK@D SUB
MIN=0.0000 A
MIN=0.0000 A
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

19


MAX=1.0000 A
MAX=1.0000 A
88807 163ML 20.686 LMS NOT BKGD SU3
12.5mm
MIN=0.0000 A
MIN=0.0000 A
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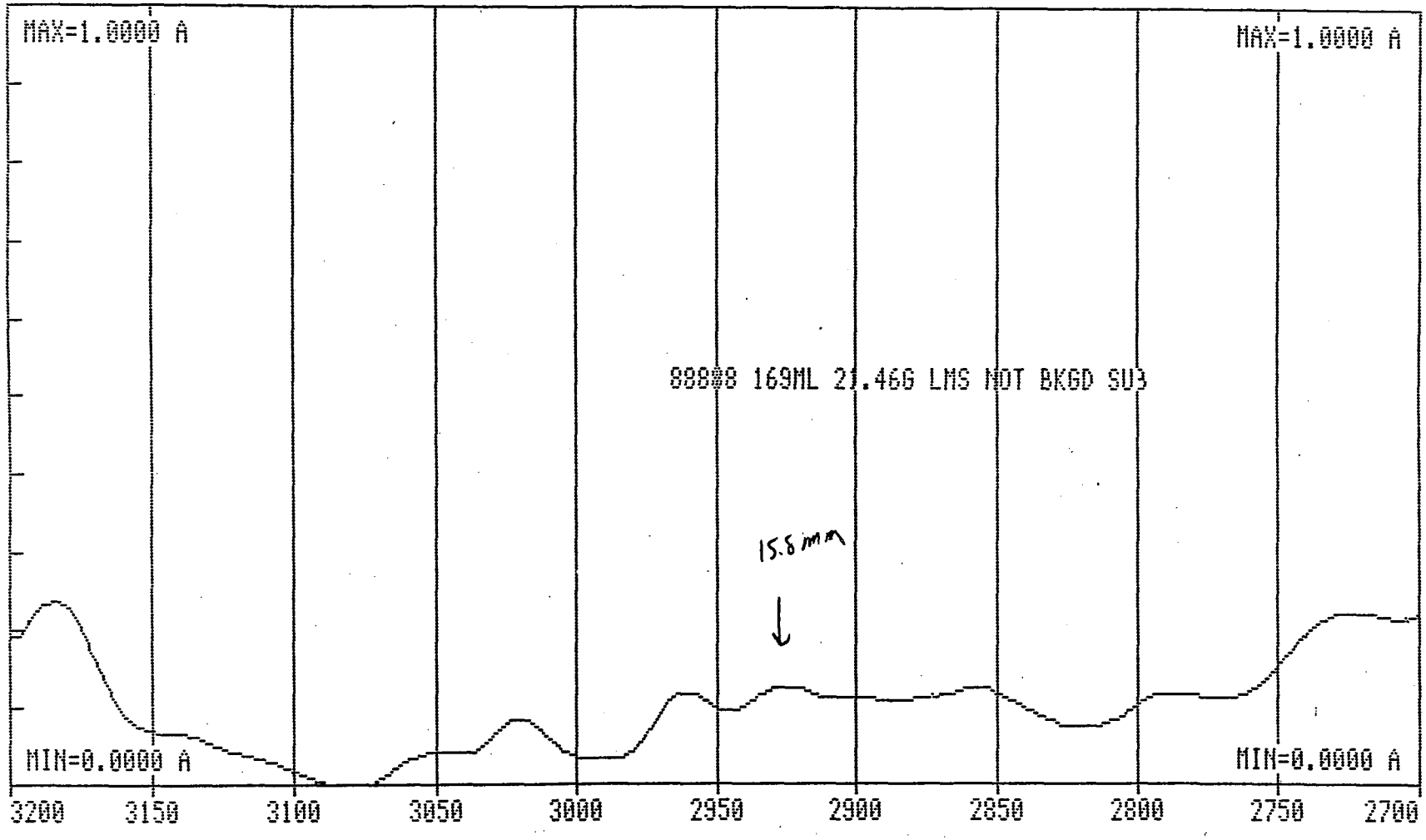
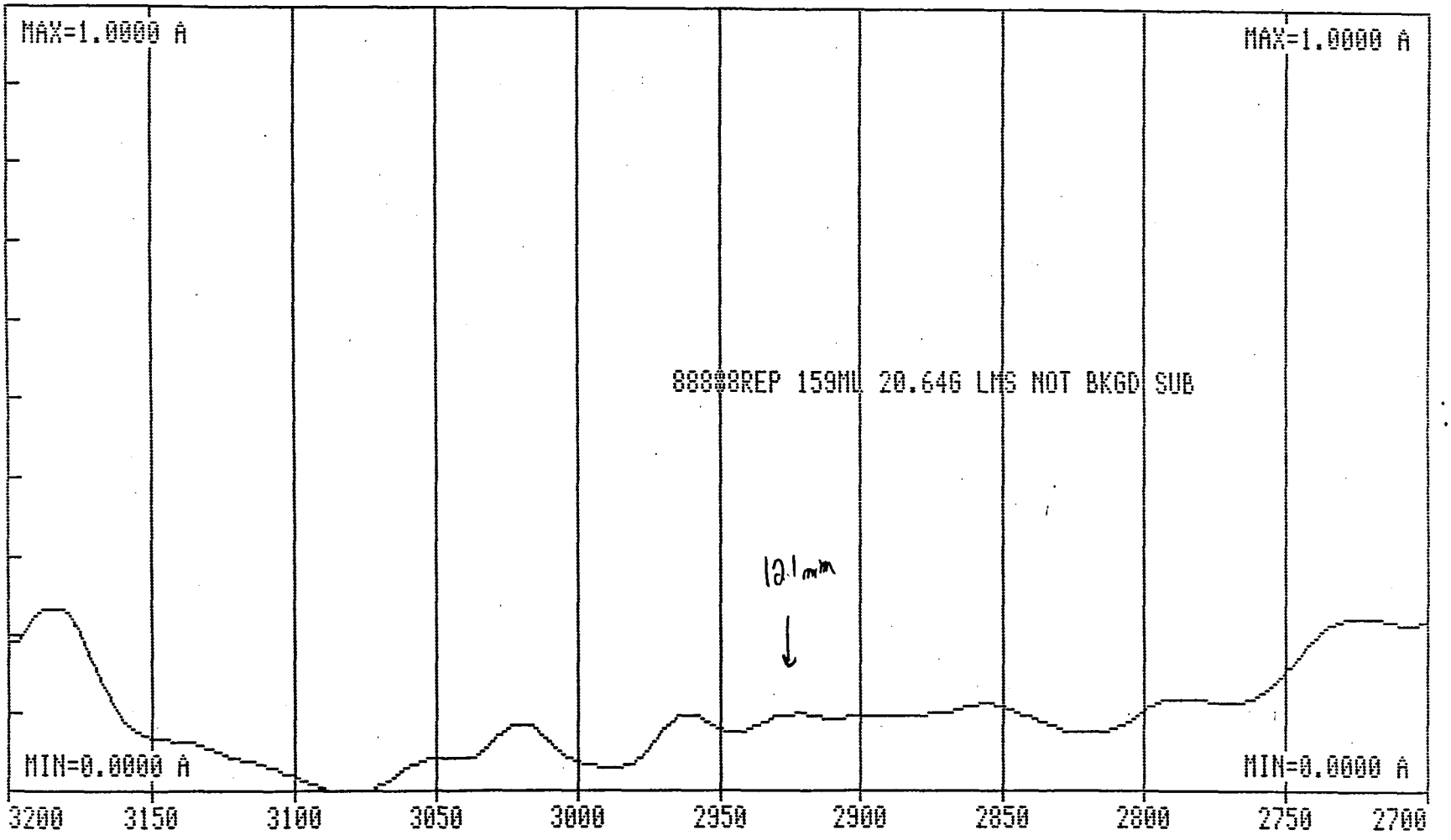
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

20


MAX=1.0000 A
MAX=1.0000 A
88888 169ML 21.466 LMS NOT BKGD SUB
15.8 mm
MIN=0.0000 A
MIN=0.0000 A
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

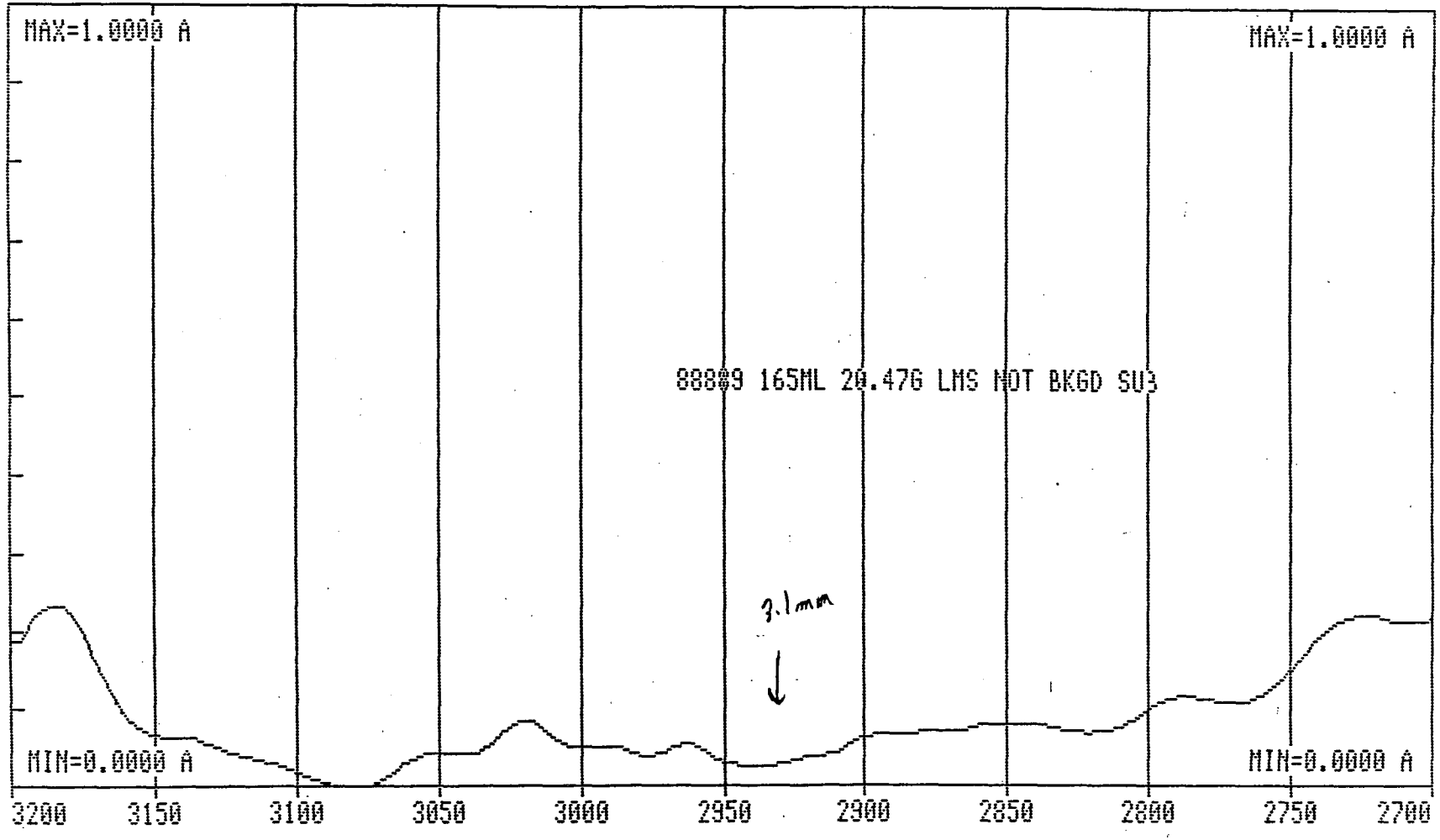
0000042

(21)

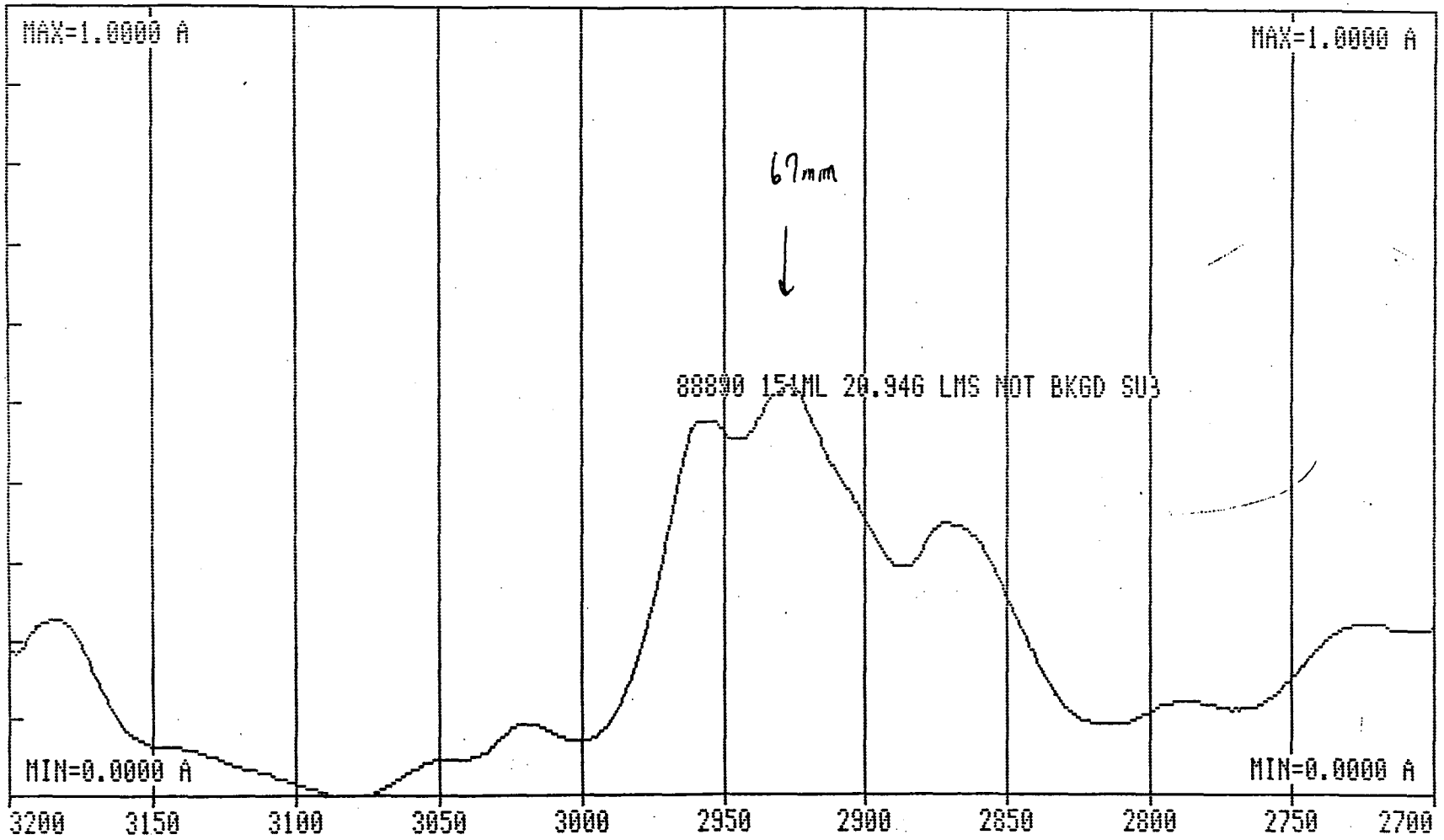

MAX=1.0000 A
MAX=1.0000 A
888@8REP 159ML 20.646 LMS NOT BKGD SUB
121mm
MIN=0.0000 A
MIN=0.0000 A
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

0000043

22


MAX=1.0000 A
MAX=1.0000 A
88809 165ML 20.476 LMS NOT BKGD SU3
3.1mm
MIN=0.0000 A
MIN=0.0000 A
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

(23)


MAX=1.0000 A
MAX=1.0000 A
67mm
88800 15%ML 20.946 LMS NOT BKGD SU3
MIN=0.0000 A
MIN=0.0000 A
3200
3150
3100
3050
3000
2950
2900
2850
2800
2750
2700

ANALYSES BY METHOD 8015

SUPPORTIVE DOCUMENTATION

METHOD 8015
LMS
ETR # 14944

STANDARD SUMMARY

METHANOL CURVE 9/22/88 - 9/23/88

	area ~100 ppm std Run # 180 9/23/88	area ~100 ppm std Run # 190 9/23/88	%D
DIETHYL ETHER	638.360	545.126	14.6 %
METHYL ETHYL KETONE	320.227	269.551	15.8 %
METHYL ISOPROPYL KETONE	356.259	291.320	18.2 %
PARALDEHYDE	246.242	212.334	13.8 %

AQUEOUS CURVE 9/24/88 - 9/26/88

100 ppm stds

	Run # 198	Run # 203	%D
DIETHYL ETHER	516.480	499.867	(3.2 %)
METHYL ETHYL KETONE	262.441	269.094	(2.5 %)
METHYL ISOPROPYL KETONE	356.737	346.454	(2.9 %)
PARALDEHYDE	249.711	262.034	(4.9 %)

METHOD 8015
LMS
ETR # 14944

STANDARD SUMMARY

AQUEOUS CURVE 10/12/88 Run # 413-429

	area 60.6 ppm	area 60.6 ppm	%D
ETHANOL	130.894	124.140	6.6 %

AQUEOUS CURVE 10/12/88 Run # 430-444

	area 19.6 ppm	area 19.6 ppm	%D
ACRYLAMIDE	24.841	27.267	-9.8 %

METHOD 8015
LMS
ETR # 14944

MATRIX SPIKE AMOUNTS

Diethyl ether

spike added ⇒ .500ml of 845 $\frac{ug}{ml}$ = 422.50 ug'

Methyl Ethyl Ketone

spike added ⇒ 0.500ml of 385 $\frac{ug}{ml}$ = 192.50 ug'

Methyl Isobutyl Ketone

spike added ⇒ 0.500ml of 392 $\frac{ug}{ml}$ = 196.00 ug'

Paraldehyde

spike added ⇒ 0.500 ml of 534 $\frac{ug}{ml}$ = 267.00 ug'

Ethanol

spike added ⇒ 0.500ml of 606 ug/ml = 303.00 ug'

Acrylamide

spike added ⇒ 0.500 ml of 196 ug/ml = 98.00 ug'

MS of LMS # 7403, 7344
<88894MS>

$\frac{\text{ug from above}}{0.00107\ Kg'} \times \frac{1mg'}{1000\ ug} = \frac{mg}{Kg}$ spike added

MSD of LMS 000043 7403, 7344
<88894MSD>

$\frac{\text{ug from above}}{0.00101\ Kg'} \times \frac{1mg'}{1000\ ug} = \frac{mg}{Kg}$ spike added

ER # 14944 — NONHALOGENATED VOLATILES

QUANTITATION

Run 9/22/88 thru 9/23/88

METHANOL CURVE

Diethyl ether RT = 11.718'

	area
1.69 ppm	5.997'
16.9 ppm	61.256'
42.25 ppm	156.169'
84.5 ppm	313.147'
169.0 ppm	638.360'
845 ppm	3069.338'

Corr = 0.99996707' (n=6)

Lms # 7332, 7347 (88892): $< 2\ \mu g/ml \times \frac{5\ ml}{0.00105\ kg} \times \frac{1\ mg}{1000\ \mu g} = < 10\ mg/kg$

Lms # 7342, 7352 (88893): $< 2\ \mu g/ml \times \frac{5\ ml}{0.00103\ kg} \times \frac{1\ mg}{1000\ \mu g} = < 10\ mg/kg$

Lms # 7423, 7344 (88894): $< 2\ \mu g/ml \times \frac{5\ ml}{0.00101\ kg} \times \frac{1\ mg}{1000\ \mu g} = < 10\ mg/kg$

Rep of Lms # 7423, 7344 (88894R): $< 2\ \mu g/ml \times \frac{5\ ml}{0.00116\ kg} \times \frac{1\ mg}{1000\ \mu g} = < 10\ mg/kg$

Matrix spike of Lms # 7423, 7344 (88894MS): 236.360' $\Rightarrow$ $63.44\ \mu g/ml \times \frac{5\ ml}{0.00107\ kg} \times \frac{1\ mg}{1000\ \mu g} = 296.45\ mg/kg$

Matrix Spike dup. of Lms # 7423, 7344 (88894MSD): 223.394' $\Rightarrow$ $59.87\ \mu g/ml \times \frac{5\ ml}{0.00101\ kg} \times \frac{1\ mg}{1000\ \mu g} = 296.39\ mg/kg$

000049

LMS

ETR #14944

QUANTITATION

Page 1 of 4

METHANOL CURVE 9/20/88 - 9/23/88

METHYL ETHYL KETONE RT = 1239

0.77	ppm	16,034	
7.70	ppm	42,135	
19.25	ppm	86,344	CORT = 0.999988
38.50	ppm	162,497	
77.0	ppm	330,227	
385	ppm	1520,063	

LMS # 7332, 7347 (88892)

$$< 1\ \mu g/ml \times \frac{5\ ml}{0.00105\ Kg} \times \frac{1\ mg}{1000\ \mu g} = < 5\ mg/kg$$

LMS # 7342, 7252 (88893)

$$< 1\ \mu g/ml \times \frac{5\ ml}{0.00103\ Kg} \times \frac{1\ mg}{1000\ \mu g} = < 5\ mg/kg$$

LMS # 7423, 7344 (88894)

$$< 1\ \mu g/ml \times \frac{5\ ml}{0.00101\ Kg} \times \frac{1\ mg}{1000\ \mu g} = < 5\ mg/kg$$

Rep of LMS # 7423, 7344 (88894R)

$$< 1\ \mu g/ml \times \frac{5\ ml}{0.00116\ kg} \times \frac{1\ mg}{1000\ \mu g} = < 5\ mg/kg$$

MS of LMS # 7423, 7344 (88894MS)

120,654 → 27.46

$$\mu g/ml \times \frac{5\ ml}{0.00107\ kg} \times \frac{1\ mg}{1000\ \mu g} = 128.39\ mg/kg$$

MSD of LMS # 7423, 7344 (88894 MSD)

112,695 → 25.43

$$\mu g/ml \times \frac{5\ ml}{0.00101\ kg} \times \frac{1\ mg}{1000\ \mu g} = 125.89\ mg/kg$$

000050

METHOD 8015
LMS
ETR # 14944

QUANTITATION

METHANOL CURVE | 9/22/88 - 9/23/88 |

METHYL ISOBUTYL KETONE RT ≅ 19.166

0.784	ppm	11.585
7.84	ppm	57.836
19.60	ppm	87.688
39.20	ppm	170.292
78.40	ppm	356.259
392	ppm	1879.956

COR = 0.99976

LMS # 7332, 7347 <88892>

$$<1\ \frac{ug}{ml} \times \frac{5ml}{0.00105\ kg} \times \frac{1mg}{1000\ ug} = <5\ mg/kg$$

LMS # 7342, 7252 <88893>

$$<1\ \frac{ug}{ml} \times \frac{5ml}{0.00103\ kg} \times \frac{1mg}{1000\ ug} = <5\ mg/kg$$

LMS # 7403, 7344 <88894>

$$<1\ \frac{ug}{ml} \times \frac{5ml}{0.00101\ kg} \times \frac{1mg}{1000\ ug} = <5\ mg/kg$$

Dup of LMS # 7403, 7344 <88894R>

$$<1\ \frac{ug}{ml} \times \frac{5ml}{0.00116\ kg} \times \frac{1mg}{1000\ ug} = <5\ mg/kg$$

MS of LMS # 7403, 7344 <88894MS>

162.390 → 34.33

$$\frac{ug}{ml} \times \frac{5ml}{0.00107\ kg} \times \frac{1mg}{1000\ ug} = 160.42\ mg/kg$$

MSD of LMS # 7403, 7344 <88894MSD>

130.392 → 27.64

$$\frac{ug}{ml} \times \frac{5ml}{0.00101\ kg} \times \frac{1mg}{1000\ ug} = 136.83\ mg/kg$$

000051

METHOD 8015
LMS
ETR # 14944

QUANTITATION

METHANOL CURVE 9/22/88 - 9/23/88

PARALDEHYDE RT ≅ 20.432

1.068 ppm 1.919
10.68 ppm 34.38
2670 ppm 63.056 corr = 0.0.999966
5340 ppm 121.452
106.8 ppm 246.242
534 ppm 1205.743

LMS# 7332, 7347 (88892)

$$< 1\ \frac{ug}{ml} \times \frac{5\ ml}{0.00105\ kg} \times \frac{1\ mg}{1000\ ug} = < 5\ \frac{mg}{kg}$$

LMS# 7252 (88893)

$$< 1\ \frac{ug}{ml} \times \frac{5\ ml}{0.00103\ kg} \times \frac{1\ mg}{1000\ ug} = < 5\ \frac{mg}{kg}$$

LMS# 7343, 7344 (88894)

$$< 1\ \frac{ug}{ml} \times \frac{5\ ml}{0.00101\ kg} \times \frac{1\ mg}{1000\ ug} = < 5\ \frac{mg}{kg}$$

Rep of LMS# 7343, 7344 (88894R)

$$< 1\ \frac{ug}{ml} \times \frac{5\ ml}{0.00116\ kg} \times \frac{1\ mg}{1000\ ug} = < 5\ \frac{mg}{kg}$$

MS of LMS# 7343, 7344 (88894MS)

119.735 → 51.45

$$\frac{ug}{ml} \times \frac{5\ ml}{0.00107\ kg} \times \frac{1\ mg}{1000\ ug} = 240.42\ \frac{mg}{kg}$$

MSD of LMS# 7343, 7344 (88894MSD)

92.480 → 39.34

$$\frac{ug}{ml} \times \frac{5\ ml}{0.00101\ kg} \times \frac{1\ mg}{1000\ ug} = 194.75\ \frac{mg}{kg}$$

000052

METHOD 8015
LMS
ETR#14944

QUANTITATION

AQUEOUS CURVE 9/04/88 - 9/06/88

DIETHYL ETHER RT ≅ 11.745

1.69 ppm	4,151	
16.9 ppm	43,042	
42.25 ppm	126,543	Corr = 0.998557
84.5 ppm	231,708	
169.0 ppm	576,480	

LMS#
4471, 4475, 4476
(88885)

< 2 mg/ml

METHOD 8015
LMS
ETR# 14944

QUANTITATION

AQUEOUS CURVE 9/24/88 - 9/26/88

METHYL ETHYL KETONE RT ≅ 12.11

0.77 ppm	1.799	
7.70 ppm	21.621	
19.25 ppm	61.286	Corr = 0.998244
38.50 ppm	115.727	
77.0 ppm	262.441	

LMS#
4471, 4475, 4476
<88885>

< 1 mg/ml

METHOD 8015
LMS
ETR# 14944

QUANTITATION

AQUEOUS CURVE 9/24/88 - 9/26/88

METHYL ISOBUTYL KETONE RT ≅ 19.175

0.784 ppm	2.594	
7.84 ppm	25.195	
19.60 ppm	82.500	corr = 0.997061
39.20 ppm	151.374	
78.40 ppm	356.737	

LMS#
4471, 4475, 4476 <1 mg/ml
<88885>

METHOD 8015
LMS
ETR# 14944

QUANTITATION

AQUEOUS CURVE 9/24/88 - 9/26/88

PARALDEHYDE RT ≅ 20.434

1.068 ppm	2.075	
10.68 ppm	26.989	
26.70 ppm	71.957	Corr = 0.0,993877
53.40 ppm	151,040	
106.8 ppm	249.711	

LMS#
71, 4475, 4476
(88885)

< 1 mg/ml

Method 8015
LMS
ETR #14944

QUANTITATION

AQUEOUS CURVE 10/12/88

ETHANOL RT ≅ 1.49

0.60 ppm	0.064	
6.06 ppm	10.828	Corr =
60.6 ppm	132.894	0.9995256
303 ppm	684.629	
606 ppm	1290.278	

LMS# 7332, 7347 <88892>
$< 1\ ug/ml \times \frac{5\ ml}{0.00105\ kg} \times \frac{1\ mg}{1000\ ug} = < 5\ mg/kg$

LMS# 7342, 7252 <88893>
$< 1\ ug/ml \times \frac{5\ ml}{0.00103\ kg} \times \frac{1\ mg}{1000\ ug} = < 5\ mg/kg$

LMS# 7423, 7344 <88894>
$< 1\ ug/ml \times \frac{5\ ml}{0.00101\ kg} \times \frac{1\ mg}{1000\ ug} = < 5\ mg/kg$

REP of LMS# 7423, 7344 <88894R>
$< 1\ ug/ml \times \frac{5\ ml}{0.00116\ kg} \times \frac{1\ mg}{1000\ ug} = < 5\ mg/kg$

MS of LMS# 7423, 7344 <88894MS>
$99.253 \rightarrow 439.9\ ug/ml \times \frac{5\ ml}{0.00107\ kg} \times \frac{1\ mg}{1000\ ug} = 205.56\ mg/kg$

MSD of LMS# 7423, 7344 <88894MSD>
$90.192 \rightarrow 39.77\ ug/ml \times \frac{5\ ml}{0.00101\ kg} \times \frac{1\ mg}{1000\ ug} = 196.88\ mg/kg$

LMS # 4471, 4475, 4476 <88885>
$< 1\ ug/ml$

METHOD 8015
LMS
ETR # 14944

QUANTITATION

AQUEOUS CURVE 10/12/88

ACRYLAMIDE RT ≅ 2.13'

~~1.96 ppm 0.917~~ CF (too close to detection limit.)
19.6 ppm, 24.841,
98 ppm, 140.479,
196 ppm, 286.287,
~~1960 ppm 3614.118~~ CF (out of range)

corr = 0.999997 (n=3)

LMS # 4471, 4475, 4476 <88885> $< 2\ ug/ml$

LMS # 7332, 7347 <88892>
$$< 2\ ug/ml \times \frac{5ml}{0.00105kg} \times \frac{1mg}{1000ug} = < 10\ mg/kg$$

LMS # 7342, 7252 <88893>
$$< 2\ ug/ml \times \frac{5ml}{0.00103kg} \times \frac{1mg}{1000ug} = < 10\ mg/kg$$

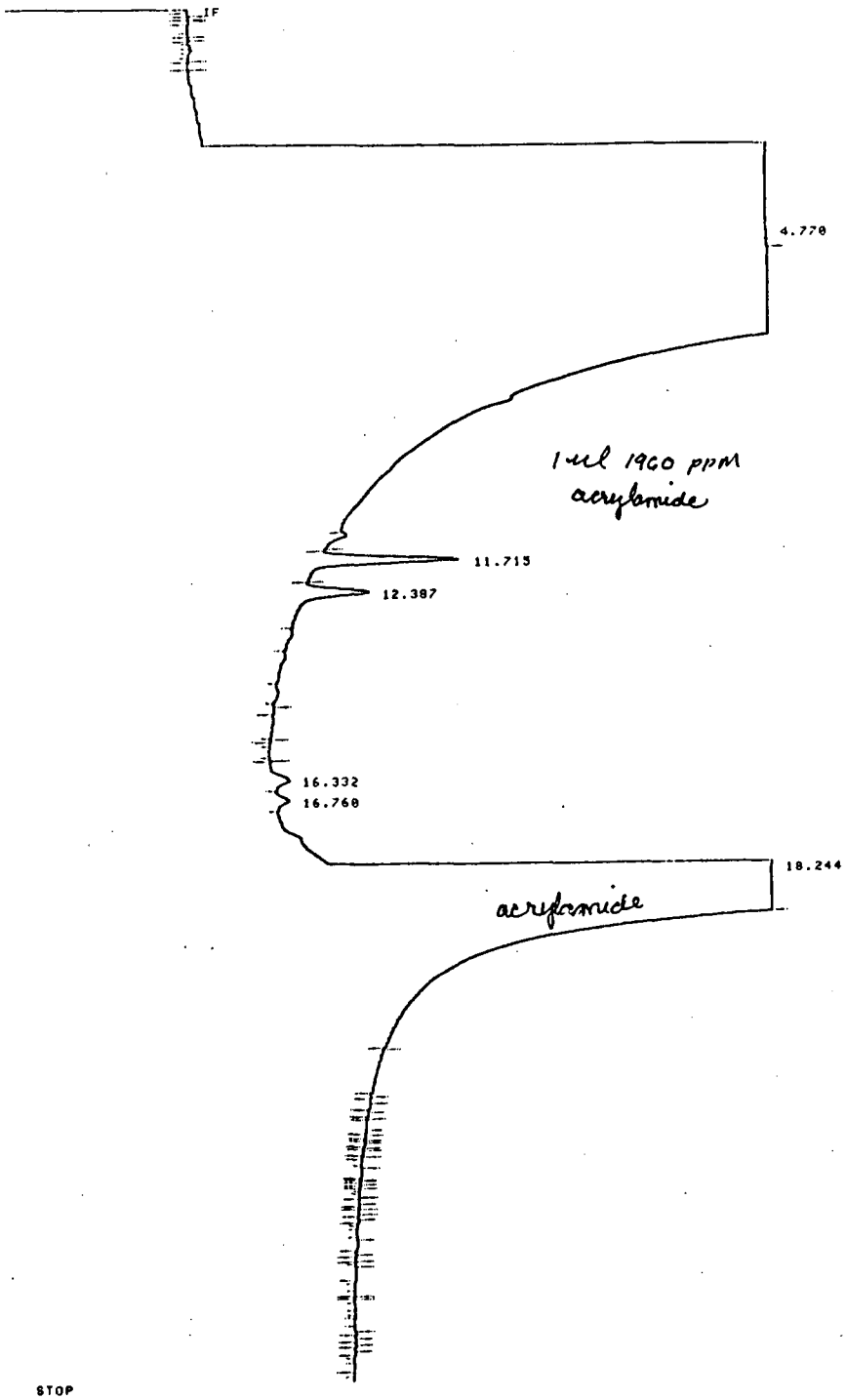
LMS # 7423, 7344 <88894>
$$< 2\ ug/ml \times \frac{5ml}{0.00101kg} \times \frac{1mg}{1000ug} = < 10\ mg/kg$$

REP of LMS # 7423, 7344 <88894R>
$$< 2\ ug/ml \times \frac{5ml}{0.00116kg} \times \frac{1mg}{1000ug} = < 10\ mg/kg$$

MS of LMS # 7423, 7344 <88894MS>
$$16.249 \xrightarrow[(n=3)]{} 13.91\ ug/ml \times \frac{5ml}{0.00107kg} \times \frac{1mg}{1000ug} = 65.14\ mg/kg$$

MSD of LMS # 7423, 7344 <88894MSD>
$$24.396 \xrightarrow[(n=3)]{} 19.44\ ug/ml \times \frac{5ml}{0.00101kg} \times \frac{1mg}{1000ug} = 96.24\ mg/kg$$

* RUN # 166 SEP 22, 1988 10:36:20
START



STOP

RUN# 166 SEP 22, 1988 10:36:20

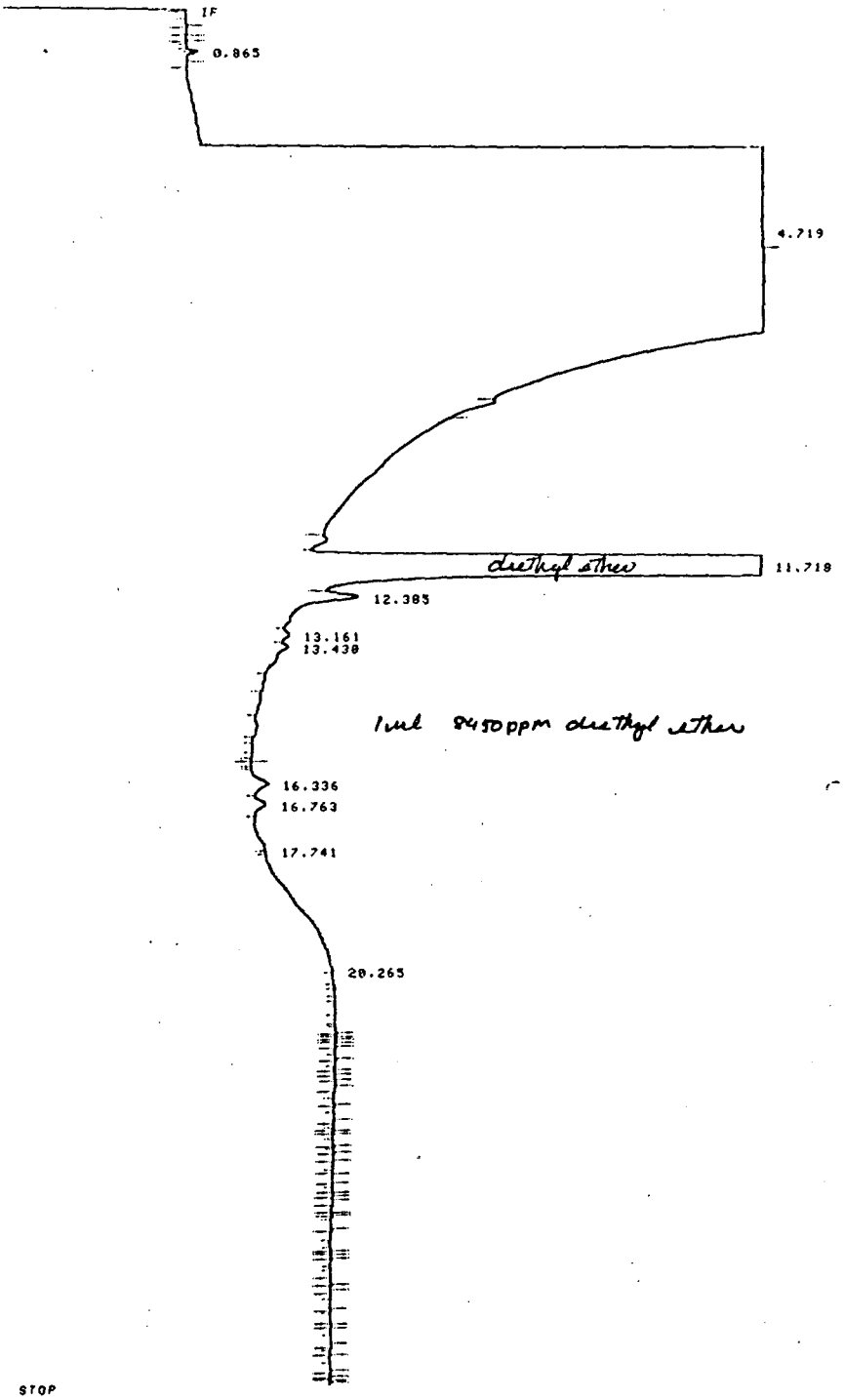
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
4.770	1.499E+09	PB	.909	99.76730
11.715	30758	BB	.154	.00205
12.387	16483	BP	.177	.00110
16.332	4452	PV	.196	.00030
16.760	3076	VP	.174	.00020
18.244	3440394	PB	.240	.22905

TOTAL AREA=1.5020E+09
MUL FACTOR=1.0000E+00

* RUN # 167 SEP 22, 1988 11:16:59
START



STOP

RUN# 167 SEP 22, 1988 11:16:59

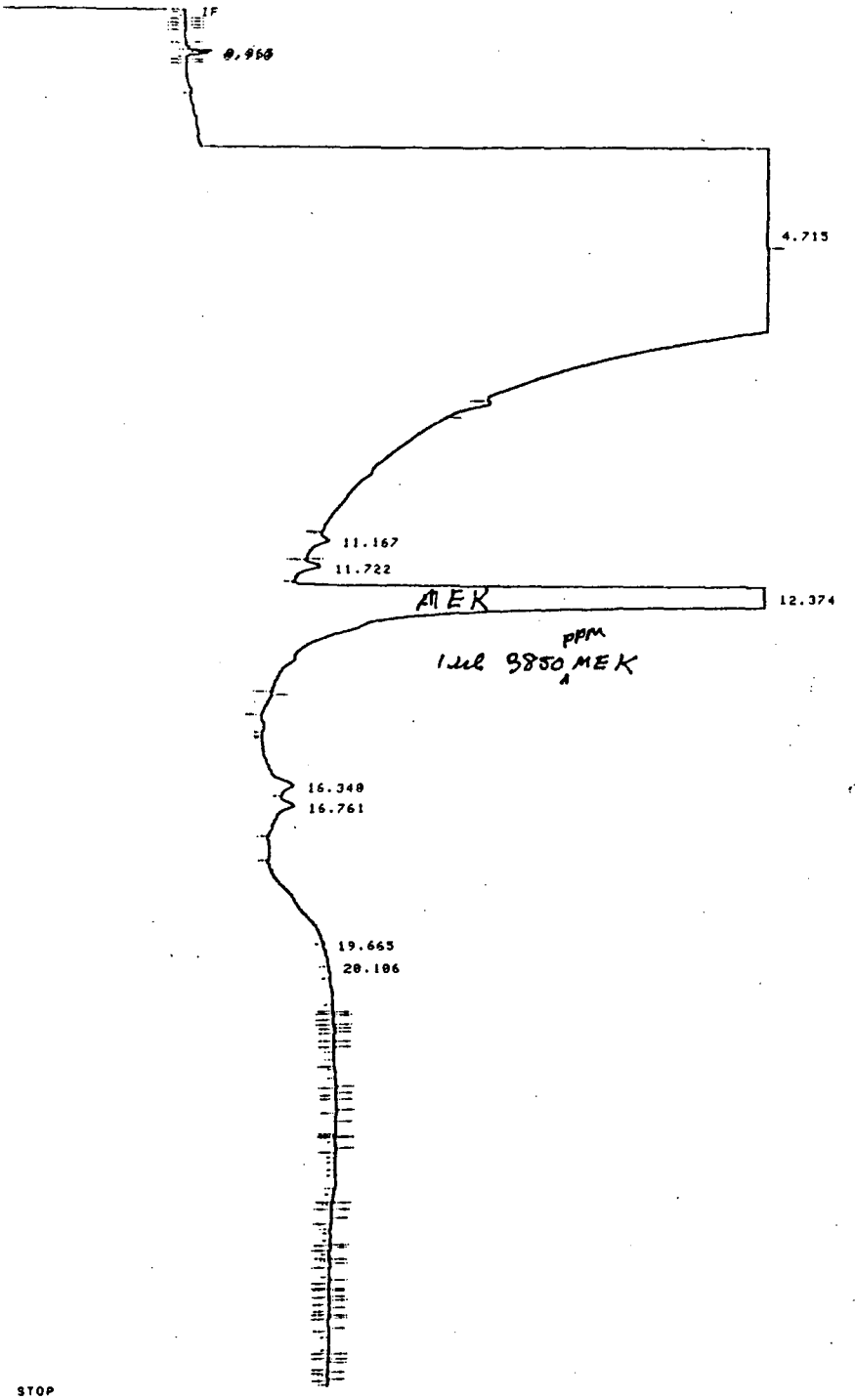
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.865	594	VV	.035	.00004
4.719	1.439E+09	PB	.903	98.09093
11.718	29286288	PB	.159	1.99454
12.385	4107	BP	.076	.00028
13.161	2044	PV	.179	.00014
13.430	4221	VP	.248	.00029
16.336	4704	PV	.217	.00032
16.763	3254	VP	.181	.00022
20.265	48915	PV	1.611	.00333

TOTAL AREA=1.4683E+09
MUL FACTOR=1.0000E+00

* RUN # 168 SEP 22, 1988 11:59:05
START



STOP

RUN# 168 SEP 22, 1988 11:59:05

SAMPLE NAME: SASAS

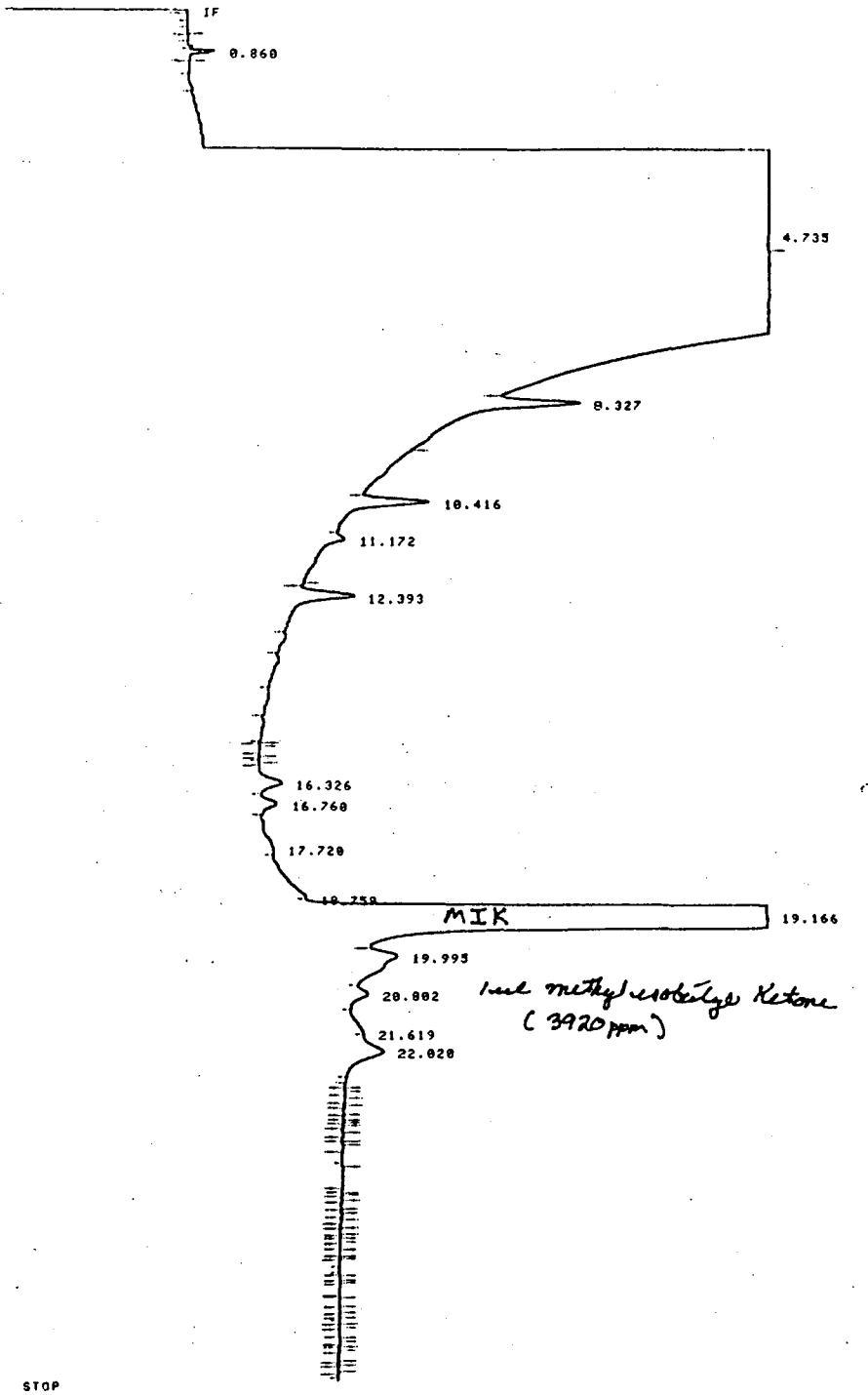
AREA%

RT	AREA	TYPE	WIDTH	AREA%
.865	1287	VV	.037	.00009
.910	1129	VV	.037	.00008
4.715	1.426E+09	PB	.902	99.00134
11.167	2293	VB	.138	.00015
11.722	4093	BP	.151	.00028
12.374	14311208	PB	.162	.99349
16.340	16145	PV	.413	.00112
16.761	14851	VV	.377	.00103
19.665	23738	PV	.868	.00165
20.106	11965	VV	.513	.00083

TOTAL AREA=1.4405E+09
MUL FACTOR=1.0000E+00

* RUN # 169 SEP 22, 1988 12:39:15

START



STOP

RUN# 169 SEP 22, 1988 12:39:15

SAMPLE NAME: SASAS

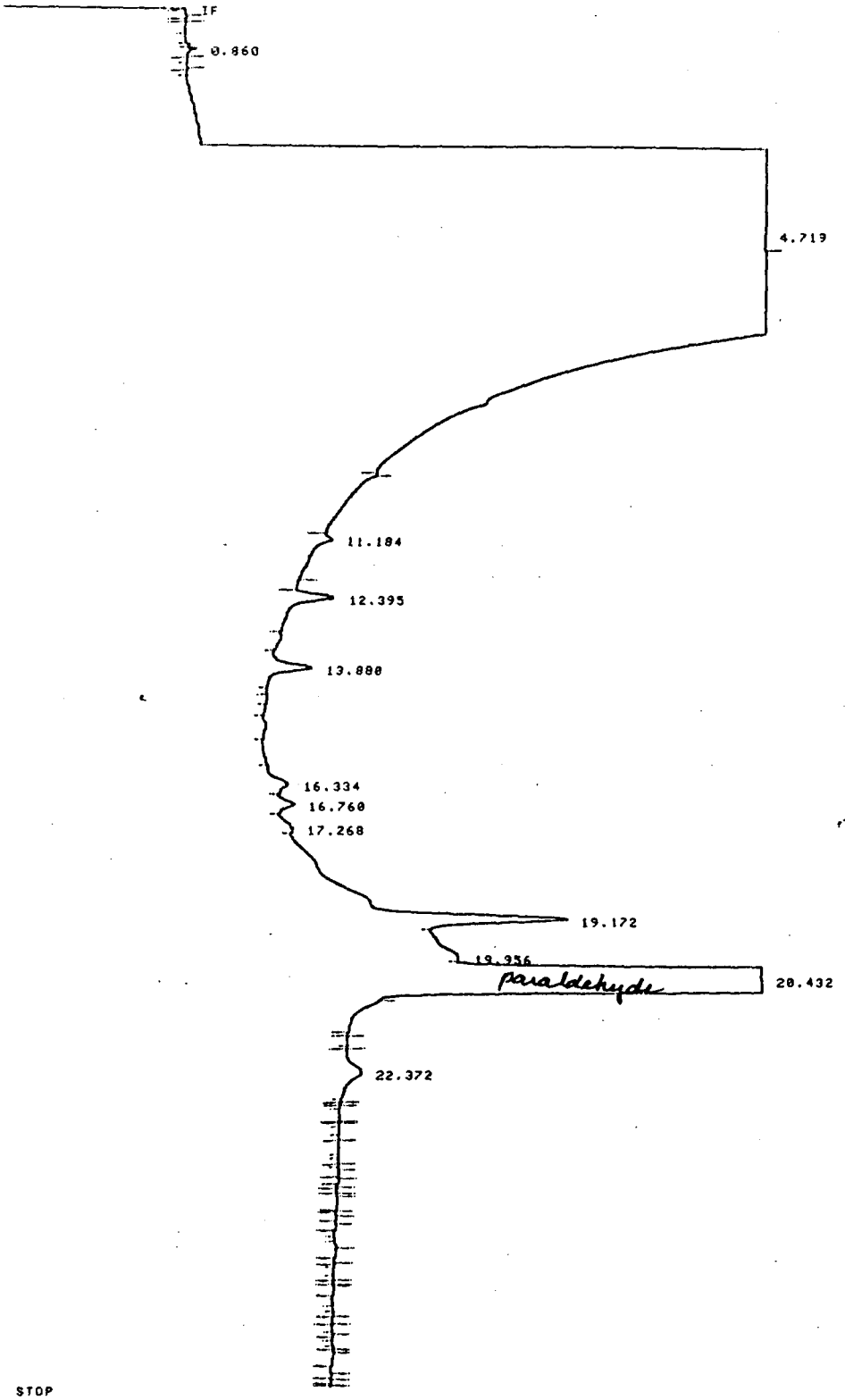
AREA%

RT	AREA	TYPE	WIDTH	AREA%
.860	1380	VV	.037	.00009
4.735	1.465E+09	PB	.910	98.94285
8.327	16208	BB	.138	.00109
10.416	12216	BP	.126	.00082
12.393	13655	BP	.170	.00092
16.326	6207	PV	.208	.00042
16.760	3919	VP	.178	.00026
19.166	17054080	PB	.184	1.15046
19.995	15687	BP	.386	.00106
20.802	3592	PP	.191	.00024
21.619	5600	PV	.256	.00038
22.020	21873	VV	.424	.00148

TOTAL AREA=1.4824E+09

MUL FACTOR=1.0000E+00

* RUN # 170 SEP 22, 1988 13:18:51
START



STOP

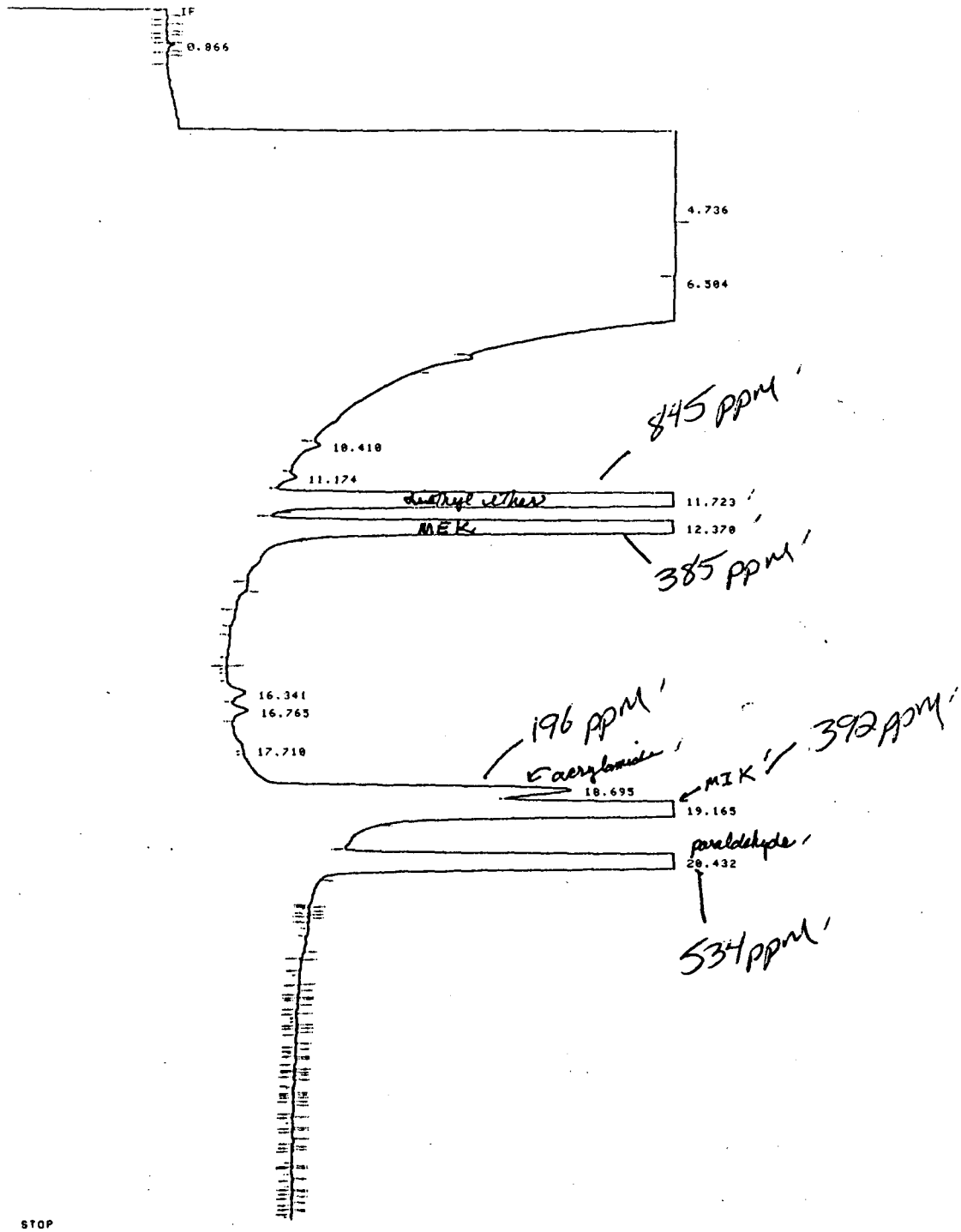
RUN# 170 SEP 22, 1988 13:18:51

SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.860	681	VB	.047	.00005
4.719	1.437E+09	PB	.304	99.23018
11.184	231	BB	.017	.00002
12.395	8764	BP	.158	.00061
13.880	10580	PP	.182	.00073
16.334	4898	PV	.217	.00034
16.760	4972	VP	.203	.00034
17.268	1721	PV	.216	.00012
19.172	124807	VV	.383	.00862
19.956	88231	VV	.597	.00609
20.432	10895776	VB	.220	.75239
22.372	9174	BP	.362	.00063

* RUN # 172 SEP 22, 1988 15:41:26
START



STOP

RUN# 172 SEP 22, 1988 15:41:26

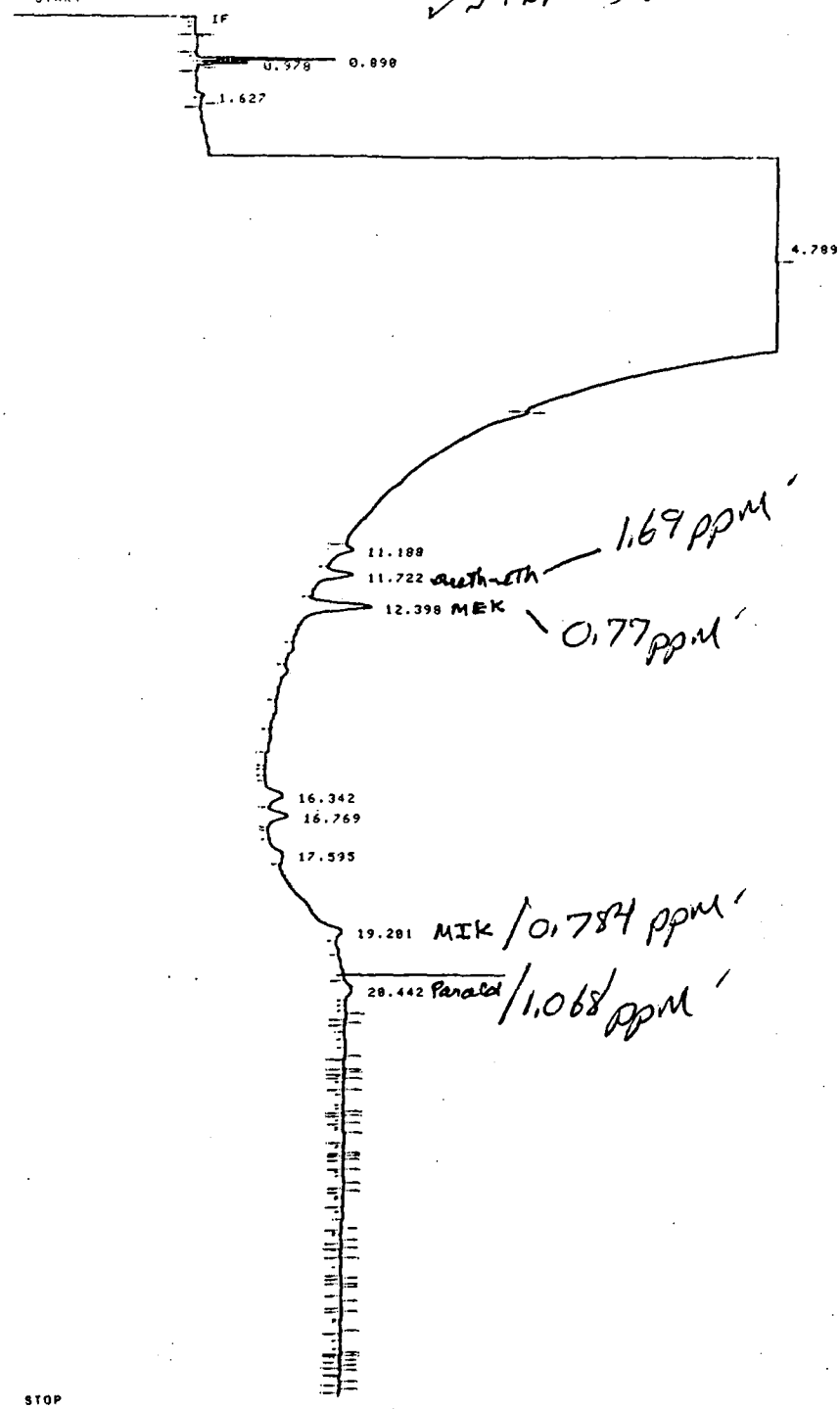
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.866	587	PB	.051	.00004
4.736	1.456E+09	PB	.907	99.40298
6.504	1334380	BB	.233	.09113
11.174	2465	PP	.148	.00017
11.723	2962597	PB	.158	.20233
12.370	1446139	PB	.165	.09876
16.341	5408	PV	.211	.00037
16.765	4816	VP	.192	.00033
18.695	98154	PV	.237	.00670
19.165	1769599	VB	.192	.12085
20.432	1119267	BB	.218	.07644

TOTAL AREA=1.4643E+09
MUL FACTOR=1.0000E+00

* RUN # 176 SEP 23, 1988 12:02:30
START



~1 ppm std

1.69 ppm

0.77 ppm

0.784 ppm

1.068 ppm

STOP

RUN# 176 SEP 23, 1988 12:02:30

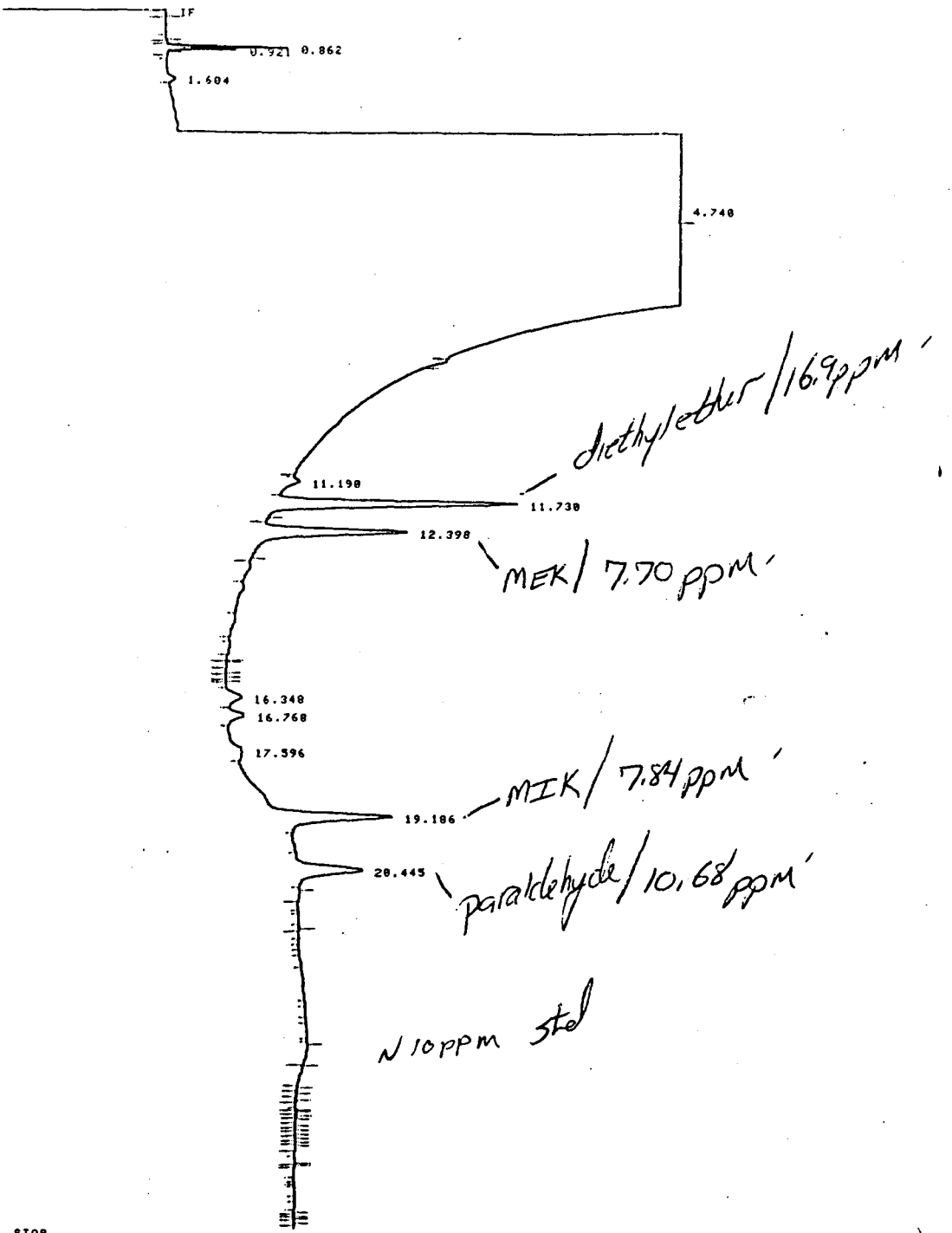
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%	
.890	7369	VV	.039	.00047	
.978	2790	VB	.038	.00018	
1.627	197	PV	.024	.00001	
4.789	1.556E+09	PB	.923	99.99622	
11.188	2023	BP	.130	.00013	
11.722	5997	PP	.145	.00039	- Ether
12.398	16034	PP	.178	.00103	- MEK
16.342	5154	PV	.214	.00033	
16.769	4982	VP	.181	.00032	
17.595	1839	PP	.190	.00012	
19.201	11585	PV	.334	.00074	- MIK
20.442	1919	BV	.194	.00012	- P

TOTAL AREA=1.5565E+09
MUL FACTOR=1.0000E+00

* RUN # 177 SEP 23, 1988 12:45:52
START



STOP

RUN# 177 SEP 23, 1988 12:45:52

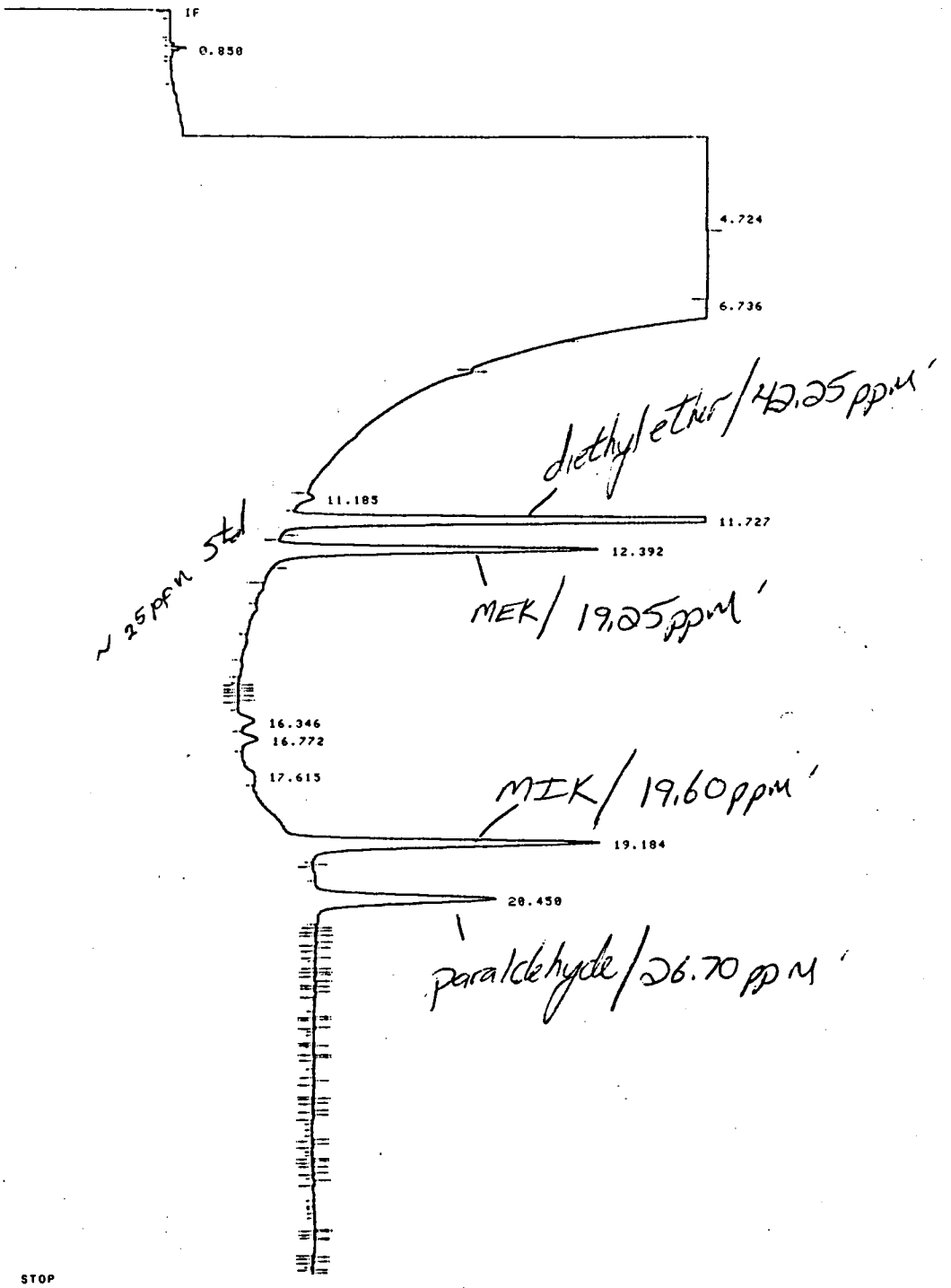
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%	
.862	6827	PV	.036	.00046	
.921	3946	VB	.037	.00027	
1.604	669	PP	.077	.00004	
4.749	1.488E+09	PB	.921	99.98528	
11.190	2316	VP	.144	.00016	
11.730	61256	PB	.159	.00412	ether
12.398	42135	BB	.180	.00283	MEK
16.348	4996	VV	.217	.00034	
16.768	4637	VP	.179	.00031	
17.596	942	PP	.103	.00006	
19.186	57836	PV	.284	.00389	MIK
20.445	34318	VV	.298	.00231	Parald

TOTAL AREA=1.4879E+09
MUL FACTOR=1.0000E+00

* RUN # 178 SEP 23, 1988 13:25:29
START



STOP

RUN# 178 SEP 23, 1988 13:25:29

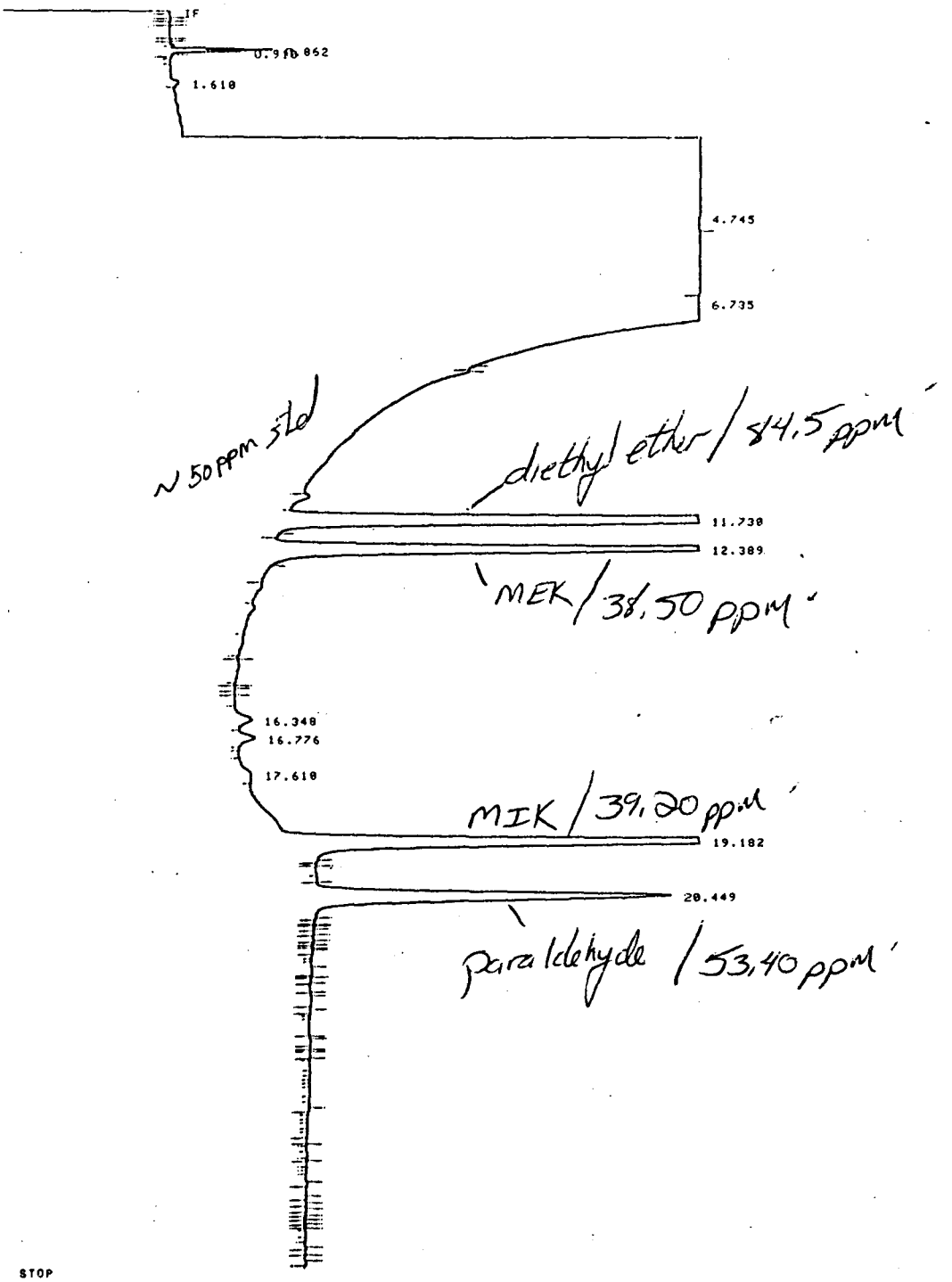
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%	
.858	791	PV	.036	.00005	
4.724	1.472E+09	PB	.921	99.97174	
6.736	9729	BB	.149	.00066	- ethanol
11.185	2144	BP	.136	.00015	
11.727	156169	PB	.159	.01060	- Ether
12.392	86344	BB	.176	.00586	- MEK
16.346	4917	PV	.211	.00033	
16.772	4685	VP	.181	.00032	
17.615	1250	PP	.157	.00008	
19.184	87688	PV	.191	.00595	- MIK
20.458	63056	VV	.230	.00428	- Paraldehyde

TOTAL AREA=1.4726E+09
MUL FACTOR=1.0000E+00

* RUN # 179 SEP 23, 1998 14:08:25
START



STOP

RUN# 179 SEP 23, 1998 14:08:25

SAMPLE NAME: SASAS

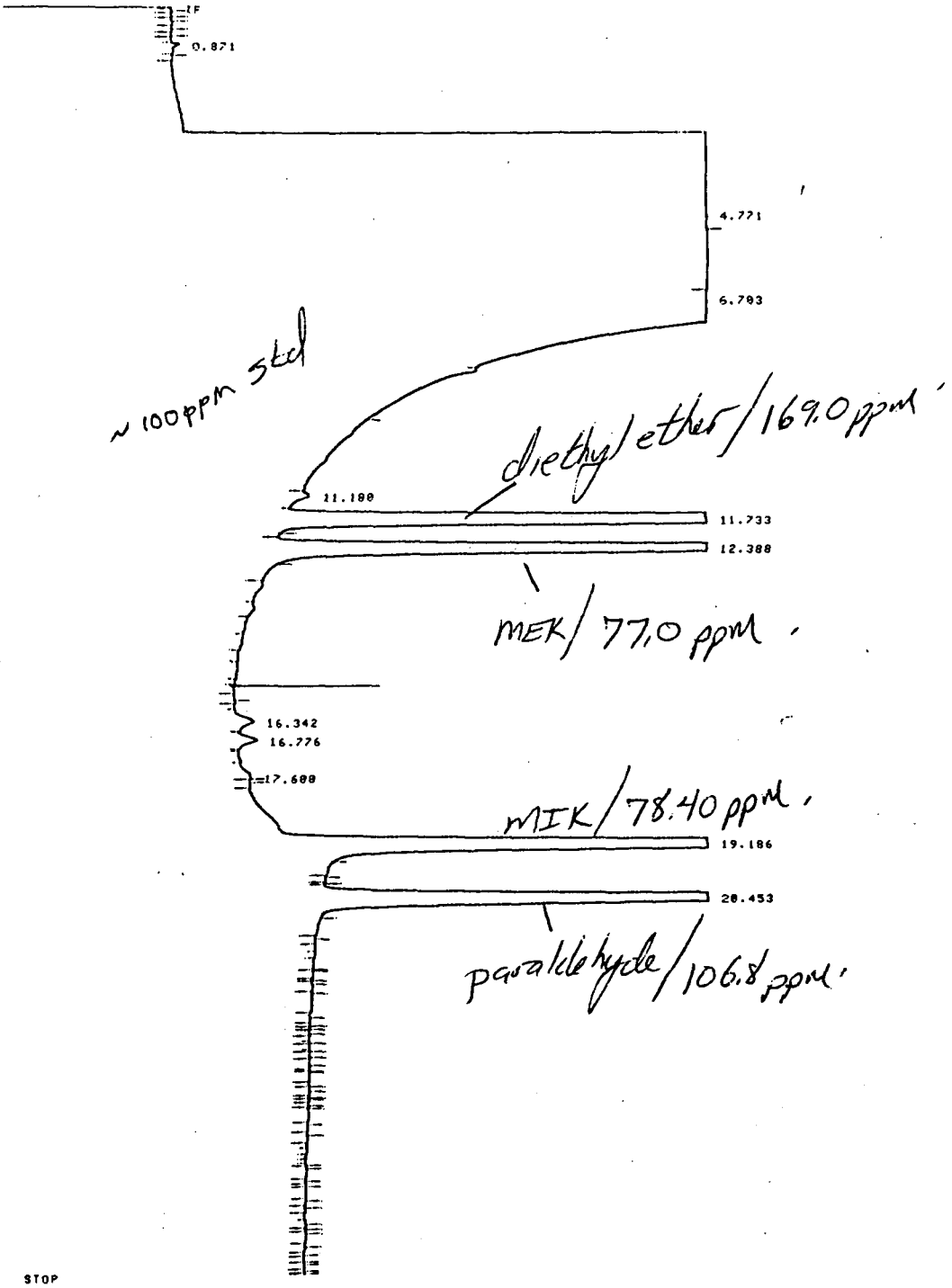
AREA%

RT	AREA	TYPE	WIDTH	AREA%	
.862	5668	VV	.037	.00038	
.910	3855	VB	.036	.00026	
1.610	678	PP	.077	.00005	
4.745	1.492E+09	PB	.924	99.94630	
6.735	14120	BB	.066	.00095	- ethanol
11.730	313147	PB	.159	.02098	- Ether
12.389	162497	BB	.173	.01089	- MEK
16.348	4843	PV	.207	.00032	
16.776	4486	VP	.178	.00030	
17.610	1561	PP	.210	.00010	
19.182	170292	PB	.195	.01141	- MIK
20.449	121452	BB	.222	.00814	- Parald

50

TOTAL AREA=1.4925E+09
MUL FACTOR=1.0000E+00

* RUN # 180 SEP 23, 1988 15:04:05
START



STOP

RUN# 180 SEP 23, 1988 15:04:05

SAMPLE NAME: SASAS

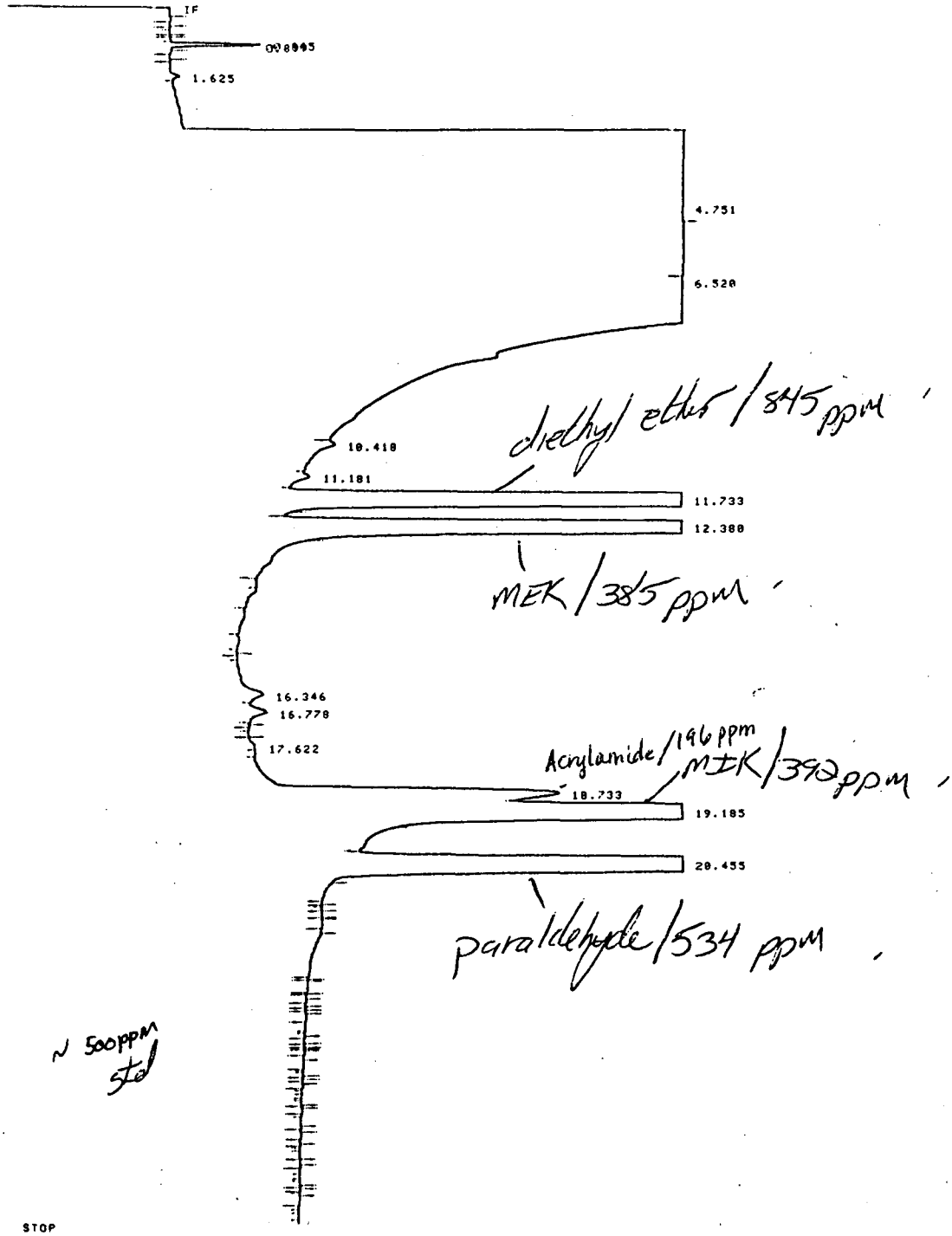
AREA%

RT	AREA	TYPE	WIDTH	AREA%	
.871	814	VV	.065	.00005	
4.771	1.525E+09	PB	.928	99.88733	
6.703	146533	BP	.257	.00960	- ethanol
11.180	2055	BP	.137	.00013	
11.733	638360	PB	.159	.04181	- Ether
12.388	320227	BB	.170	.02098	- MEK
16.342	5356	PV	.209	.00035	
16.776	5230	VP	.184	.00034	
17.600	412	PB	.101	.00003	
19.186	356259	PB	.186	.02334	- MIK
20.453	246242	BB	.221	.01613	- Paraldehyde

TOTAL AREA=1.5267E+09
MUL FACTOR=1.0000E+00

* RUN # 181 SEP 23, 1988 15:53:34

START



STOP

RUN# 181 SEP 23, 1988 15:53:34

SAMPLE NAME: SASAS

AREA%

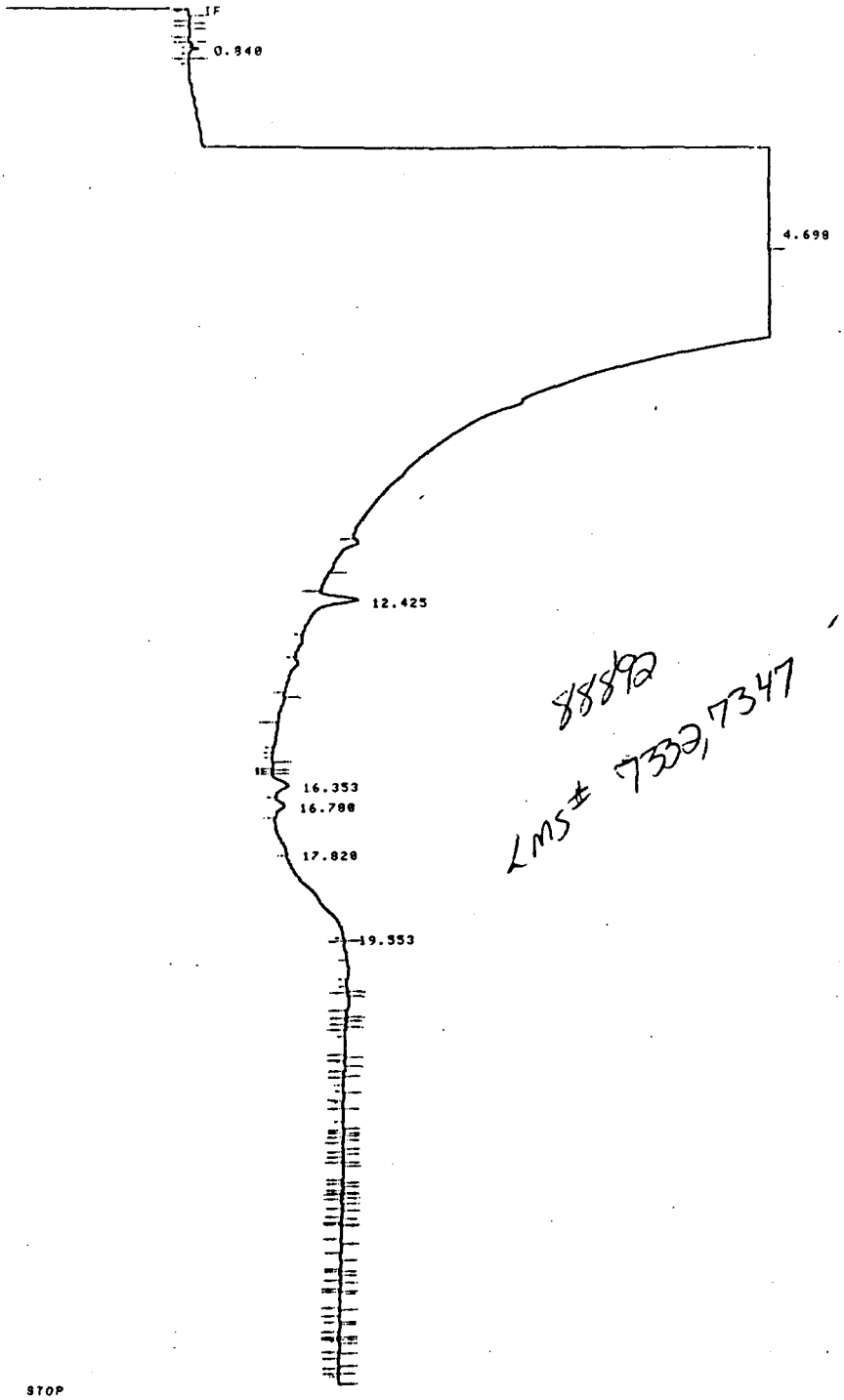
RT	AREA	TYPE	WIDTH	AREA%	
.865	4939	VV	.035	.00033	
.899	4564	VB	.035	.00030	
1.625	733	PP	.069	.00005	
4.751	1.498E+09	PB	.925	99.38918	
6.520	1428157	BB	.263	.09476	- ethanol
11.181	2725	PP	.147	.00018	
11.733	3069338	PB	.159	.20366	- ether
12.380	1520863	BB	.165	.10086	- MEK
16.346	7631	PV	.246	.00051	
16.778	6995	VV	.225	.00046	
17.622	816	PV	.158	.00005	
18.733	75487	PV	.204	.00501	- acrylamide
19.185	1879956	VB	.192	.12474	- MIK
20.455	1205743	BB	.220	.08001	- paraldehyde

Blank
in MeOH
↓

TOTAL AREA=1.5071E+09
MUL FACTOR=1.0000E+00

000070

* RUN # 134 SEP 23, 1988 18:03:59
START



88892
LMS± 7339, 7347

STOP

RUN# 184 SEP 23, 1988 18:03:59

SAMPLE NAME: SASAS

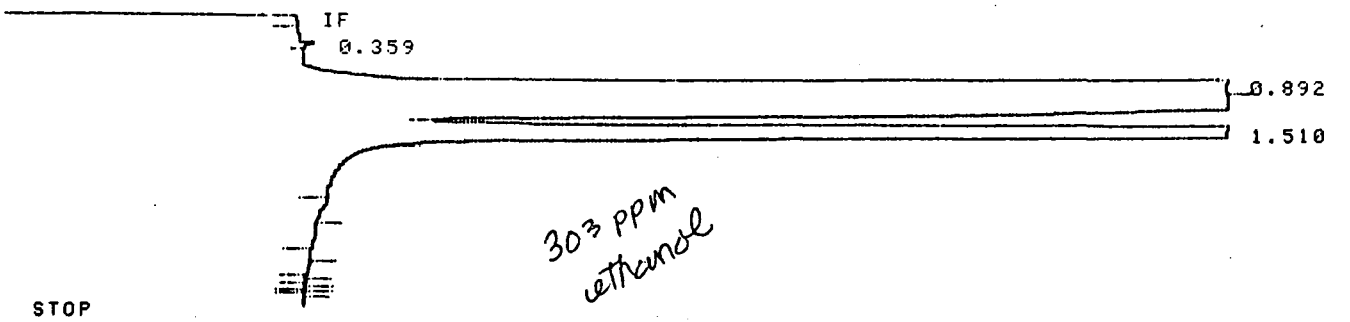
AREA%

RT	AREA	TYPE	WIDTH	AREA%
.840	630	VV	.043	.00005
4.698	1.369E+09	PB	.890	99.99846
12.425	11012	BP	.184	.00080
16.353	4416	BV	.214	.00032
16.780	2590	VP	.183	.00019
19.553	2740	PV	.652	.00020

TOTAL AREA=1.3693E+09
MUL FACTOR=1.0000E+00

88893 CLF

* RUN # 415 OCT 12, 1988 10:34:24
START



STOP

RUN# 415 OCT 12, 1988 10:34:24

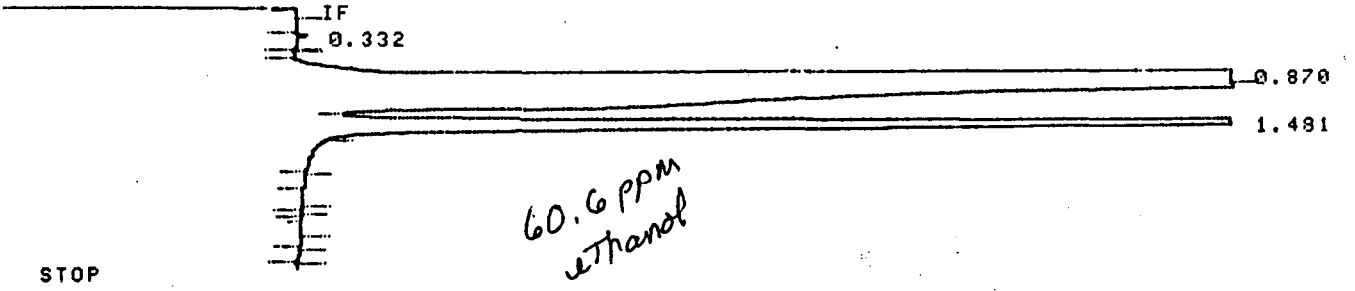
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.359	293	PP	.026	.00051
.892	56906304	PB	.052	98.81072
1.510	684629	BB	.093	1.18877

TOTAL AREA=5.7591E+07
MUL FACTOR=1.0000E+00

* RUN # 416 OCT 12, 1988 10:39:05
START



STOP

RUN# 416 OCT 12, 1988 10:39:05

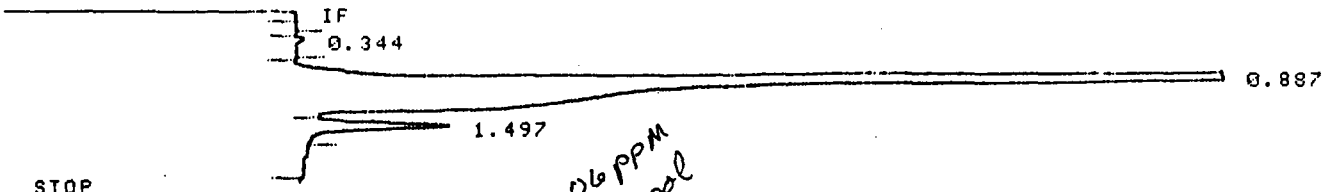
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.332	416	BB	.044	.00362
.870	11343104	PB	.049	98.83840
1.481	132834	BB	.094	1.15798

TOTAL AREA=1.1476E+07
MUL FACTOR=1.0000E+00

* RUN # 417 OCT 12, 1988 10:43:22
START



STOP

6.06 ppm ethanol

RUN# 417 OCT 12, 1988 10:43:22

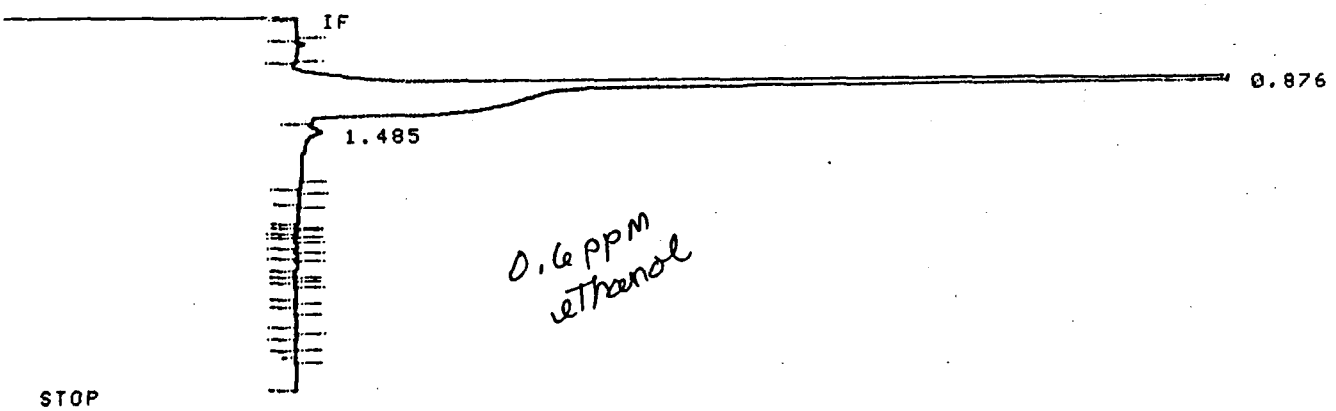
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.344	399	BB	.049	.03211
.887	1231559	PB	.047	99.09661
1.497	10828	BB	.093	.87127

TOTAL AREA=1242786
MUL FACTOR=1.0000E+00

* RUN # 418 OCT 12, 1988 10:46:42
START



STOP

0.6 ppm ethanol

RUN# 418 OCT 12, 1988 10:46:42

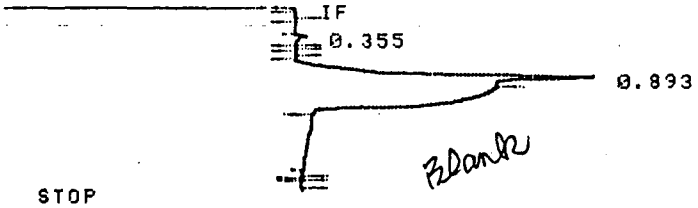
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.876	114275	PB	.044	99.94403
1.485	64	BB	.006	.05597

TOTAL AREA= 114339
MUL FACTOR=1.0000E+00

* RUN # 419 OCT 12, 1988 10:53:14
START



STOP

RUN# 419 OCT 12, 1988 10:53:14

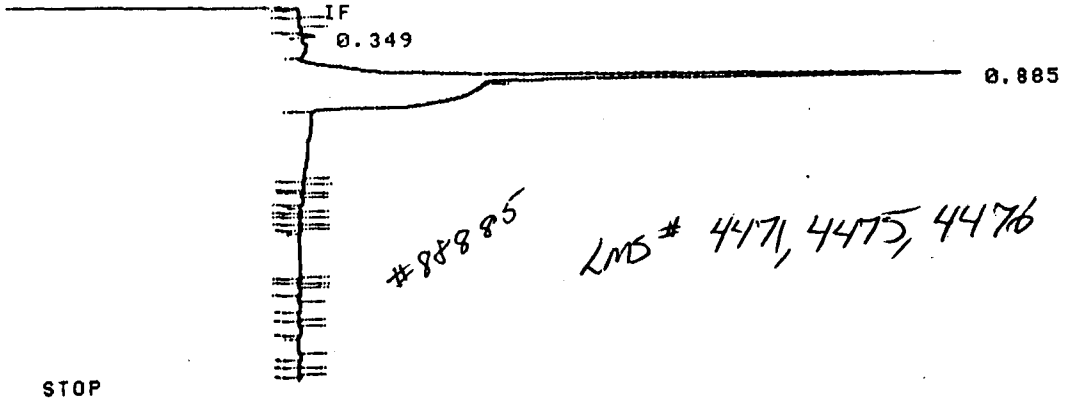
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.355	344	PB	.035	4.09572
.893	8055	PB	.054	95.90426

TOTAL AREA= 8399
MUL FACTOR=1.0000E+00

* RUN # 420 OCT 12, 1988 10:55:53
START



STOP

RUN# 420 OCT 12, 1988 10:55:53

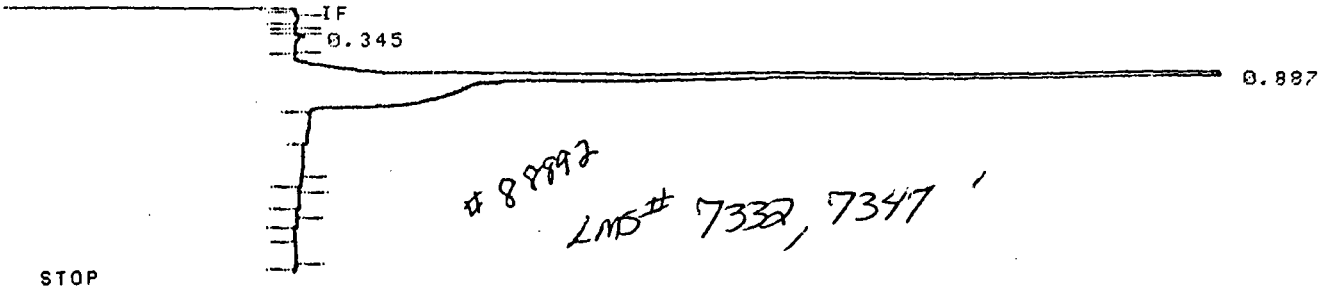
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.349	394	BV	.030	1.86686
.885	20711	PB	.044	98.13315

TOTAL AREA= 21105
MUL FACTOR=1.0000E+00

* RUN # 421 OCT 12, 1988 11:01:27
START



#88892
LMS# 7332, 7347

STOP

RUN# 421 OCT 12, 1988 11:01:27

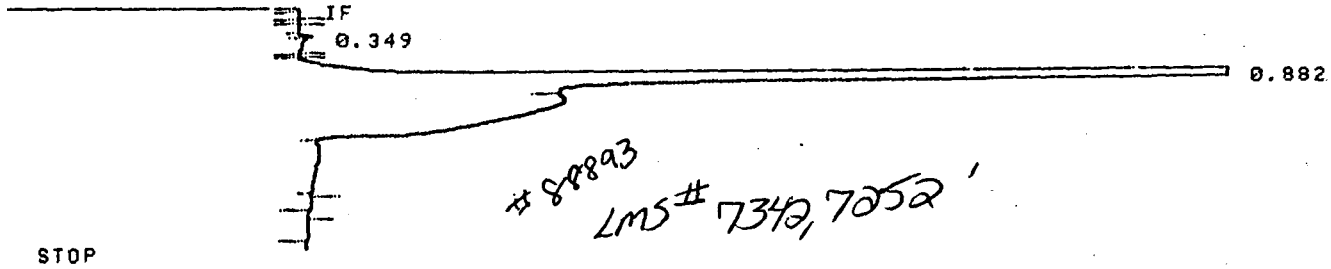
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.345	385	BB	.045	.42803
.887	89562	PB	.046	99.57197

TOTAL AREA= 89947
MUL FACTOR=1.0000E+00

* RUN # 422 OCT 12, 1988 11:07:37
START



#88893
LMS# 7342, 7052

STOP

RUN# 422 OCT 12, 1988 11:07:37

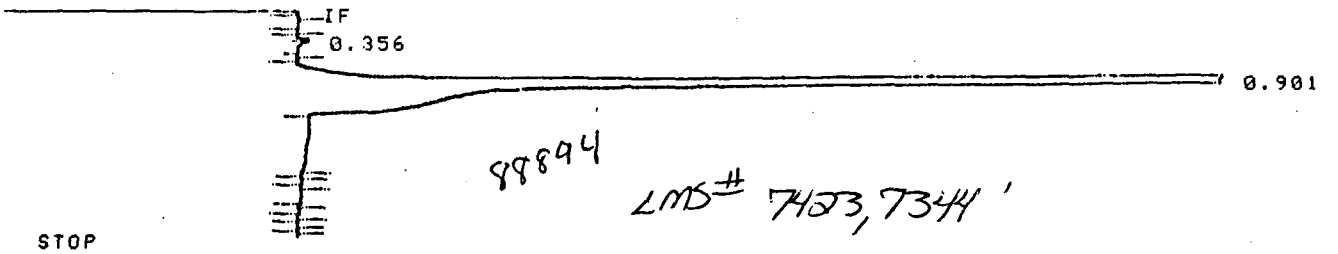
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.349	281	PV	.023	.04716
.882	595501	PB	.051	99.95286

TOTAL AREA= 595782
MUL FACTOR=1.0000E+00

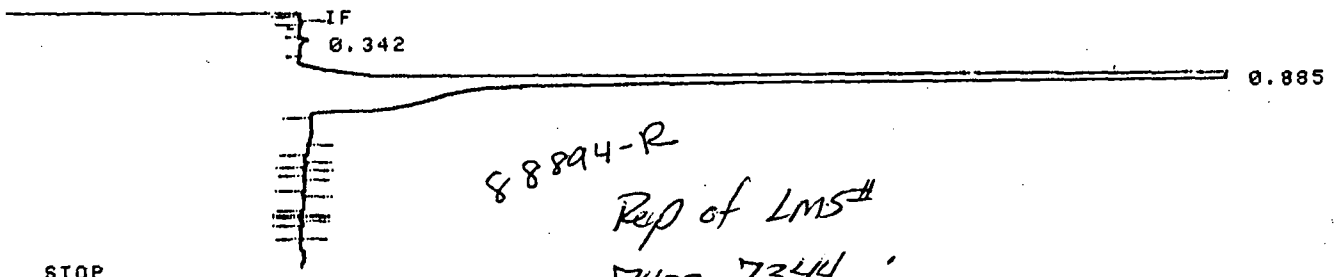
```
*  RUN #  423      OCT 12, 1988  11:11:27
START
```



88894 LMS# 7423, 7344'

```
STOP


RUN#   423           OCT 12, 1988  11:11:27

SAMPLE NAME: SASAS

AREA%
      RT       AREA TYPE  WIDTH       AREA%
    .356        221   PV   .022      .03417
    .901     646517   PB   .048    99.96582

TOTAL AREA= 646738
MUL FACTOR=1.0000E+00
```

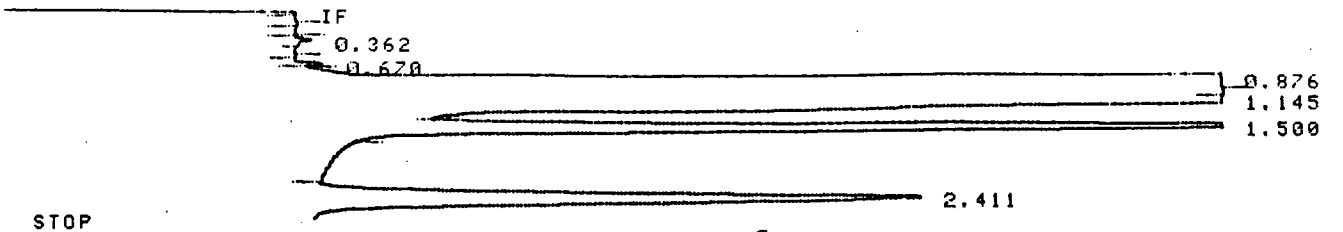
```
*  RUN #  424      OCT 12, 1988  11:14:48
START
```



88894-R Rep of LMS# 7423, 7344'

```
STOP


RUN#   424           OCT 12, 1988  11:14:48

SAMPLE NAME: SASAS

AREA%
      RT       AREA TYPE  WIDTH       AREA%
    .342        315   PP   .040      .07574
    .885     415576   PB   .047    99.92426

TOTAL AREA= 415891
MUL FACTOR=1.0000E+00
```

* RUN # 425 OCT 12, 1988 11:18:43
START



STOP

88894-MS

RUN# 425 OCT 12, 1988 11:18:43

Matrix spike of Lms# 7423, 7344'

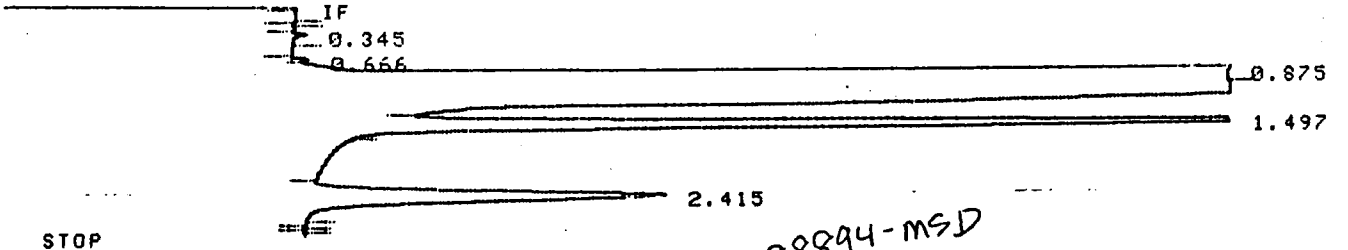
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.362	564	PV	.039	.00068
.670	450	PB	.027	.00054
.876	83205856	PB	.054	99.78496
1.500	99253	PB	.091	.11903
2.411	79040	I BP	.149	.09479

TOTAL AREA=8.3384E+07
MUL FACTOR=1.0000E+00

* RUN # 426 OCT 12, 1988 11:22:01
START



STOP

88894-MSD

Matrix spike dup. of Lms# 7423, 7344'

RUN# 426 OCT 12, 1988 11:22:01

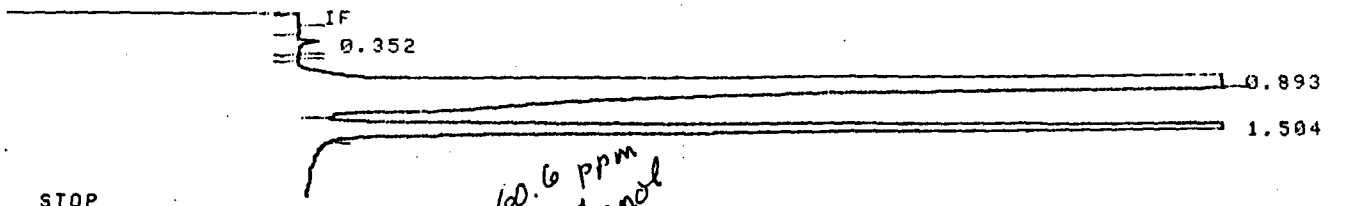
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.345	439	BB	.038	.00059
.666	297	PP	.031	.00040
.875	74513856	PB	.054	99.81629
1.497	90192	BB	.090	.12082
2.415	46235	BB	.149	.06193

TOTAL AREA=7.4651E+07
MUL FACTOR=1.0000E+00

* RUN # 429 OCT 12, 1988 11:45:46
START



60.6 ppm ethanol

STOP

RUN# 429 OCT 12, 1988 11:45:46

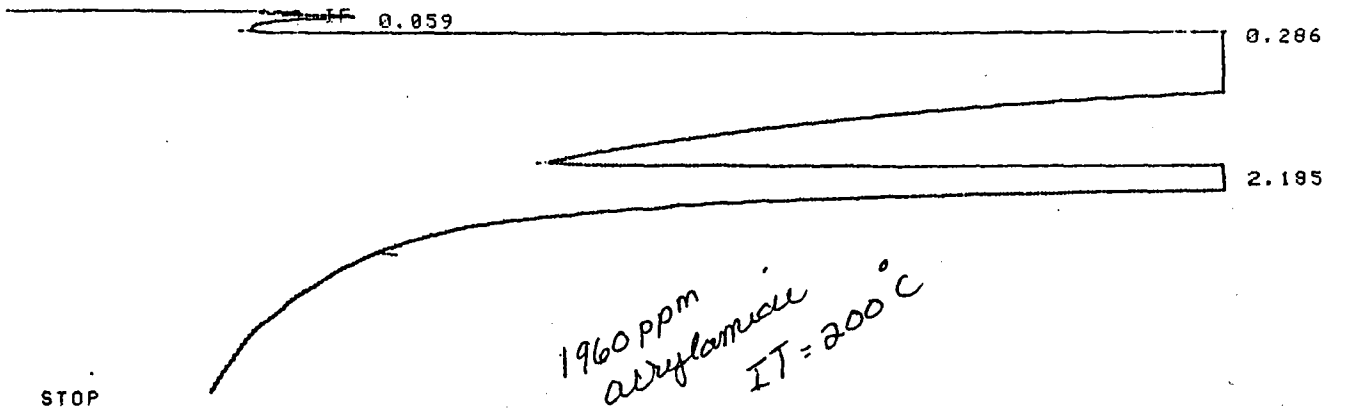
SAMPLE NAME: SASAS

AREA%

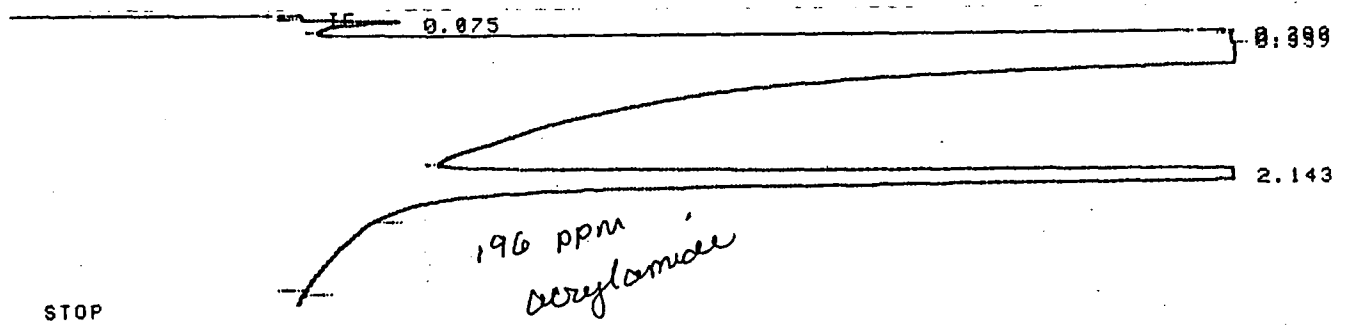
RT	AREA	TYPE	WIDTH	AREA%
.352	616	PB	.037	.00566
.893	10753296	PB	.048	98.85315
1.504	124140	PB	.092	1.14120

TOTAL AREA=1.0878E+07
MUL FACTOR=1.0000E+00

```
*  RUN #   430      OCT 12, 1988  11:52:57
START
```

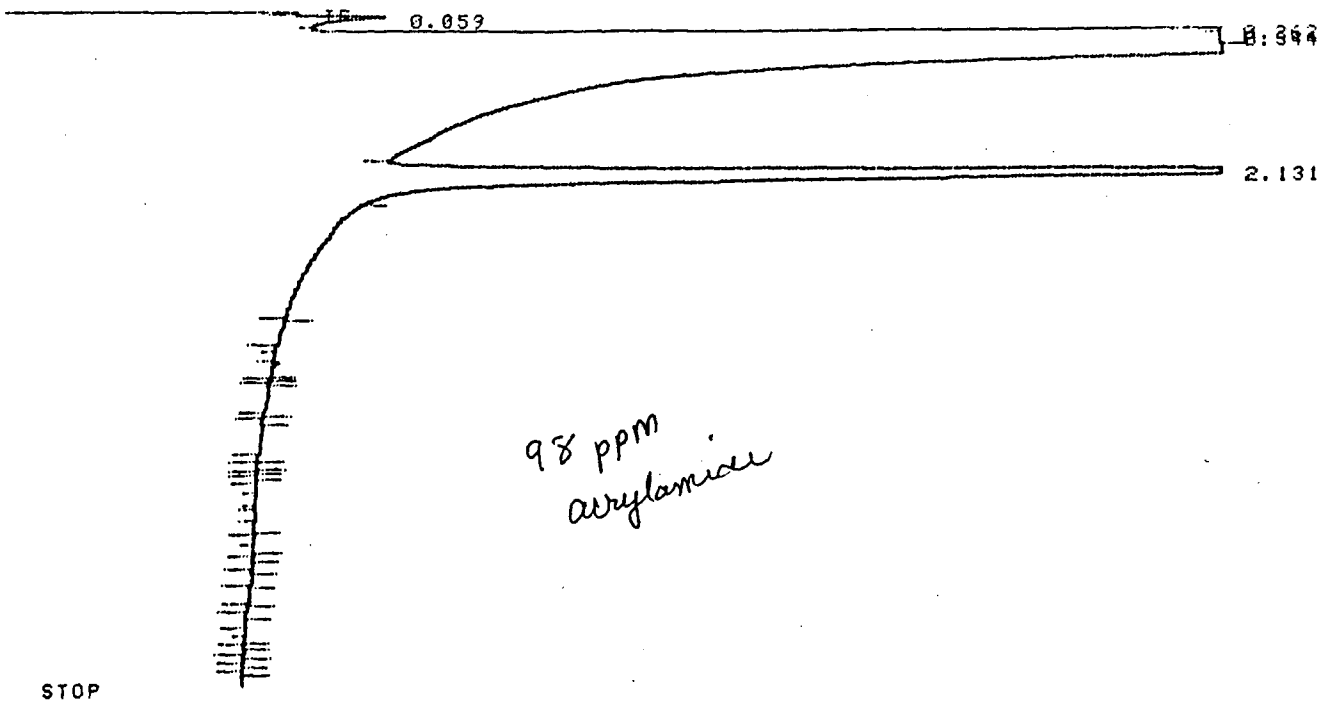



```
STOP


RUN#    430           OCT 12, 1988  11:52:57

SAMPLE NAME: SASAS

AREA%
      RT       AREA TYPE  WIDTH       AREA%
    .059       3041   PP   .044      .00051
    .286  594690560  SPB   .063    99.39546
   2.185    3614118  TBB   .138      .60406

TOTAL AREA=5.9831E+08
MUL FACTOR=1.0000E+00



*  RUN #   431      OCT 12, 1988  11:59:06
START
```




```
STOP


RUN#    431           OCT 12, 1988  11:59:06

SAMPLE NAME: SASAS

AREA%
      RT       AREA TYPE  WIDTH       AREA%
    .075       6003   BH   .070      .00638
    .280   59405888  SHB   .033    63.16211
    .359   34354912  TBB   .045    36.52715
   2.143     286287  TBB   .147      .30439

TOTAL AREA=9.4053E+07
MUL FACTOR=1.0000E+00
```

* RUN # 432 OCT 12, 1988 12:03:53
START



STOP

RUN# 432 OCT 12, 1988 12:03:53

SAMPLE NAME: SASAS

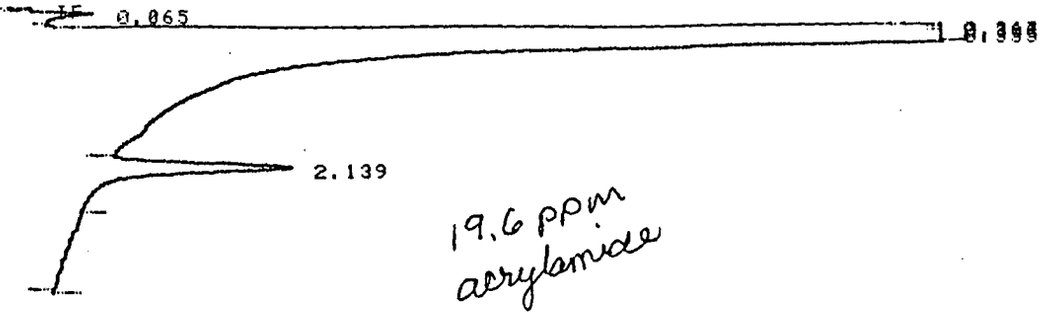
AREA%

RT	AREA	TYPE	WIDTH	AREA%
.059	4461	PP	.059	.00905
.262	20863488	PV	.021	42.33480
.344	28273712	VB	.057	57.37112
2.131	140479	BB	.147	.28505

TOTAL AREA=4.9282E+07
MUL FACTOR=1.0000E+00

* RUN # 433 OCT 12, 1988 12:14:14
START

0.065



19.6 ppm acrylamide

STOP

RUN# 433 OCT 12, 1988 12:14:14

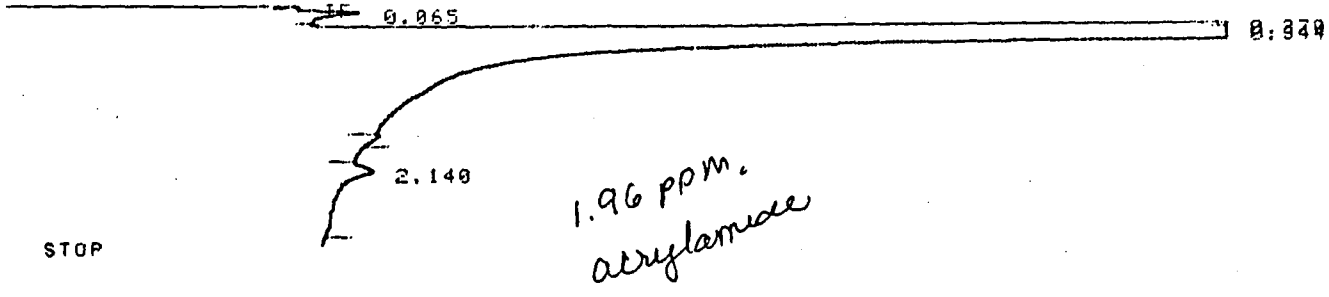
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.065	3107	PP	.060	.02749
.267	4786467	PV	.021	42.34994
.303	2209987	VV	.030	19.55362
.355	4277786	VB	.047	37.84918
2.139	24841	BB	.149	.21979

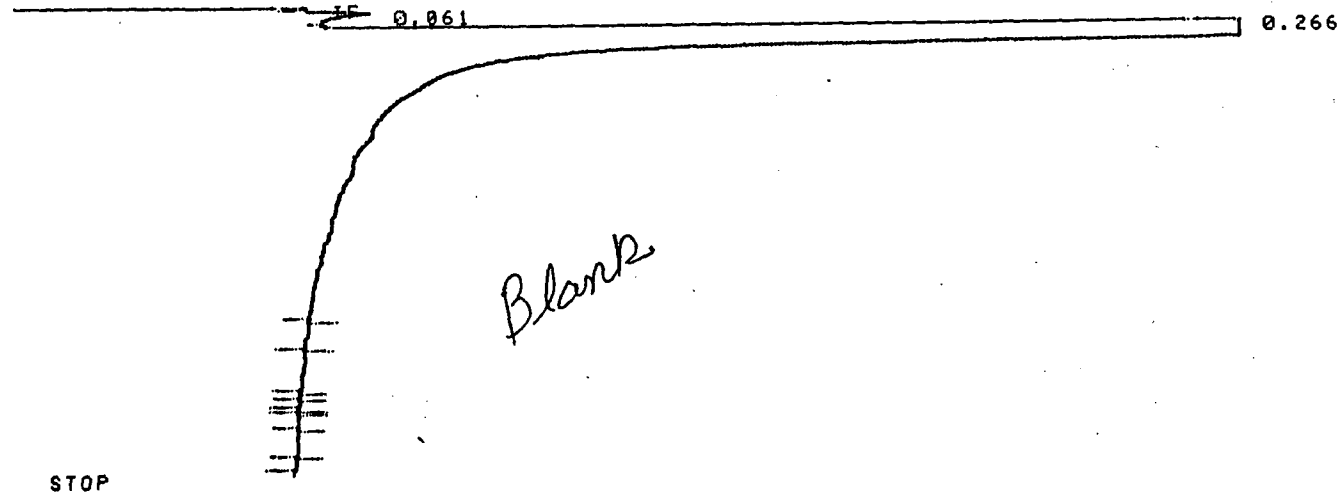
TOTAL AREA=1.1302E+07
MUL FACTOR=1.0000E+00

```
*  RUN #  434      OCT 12, 1988  12:19:20
START
```



1.96 ppm. acrylamide

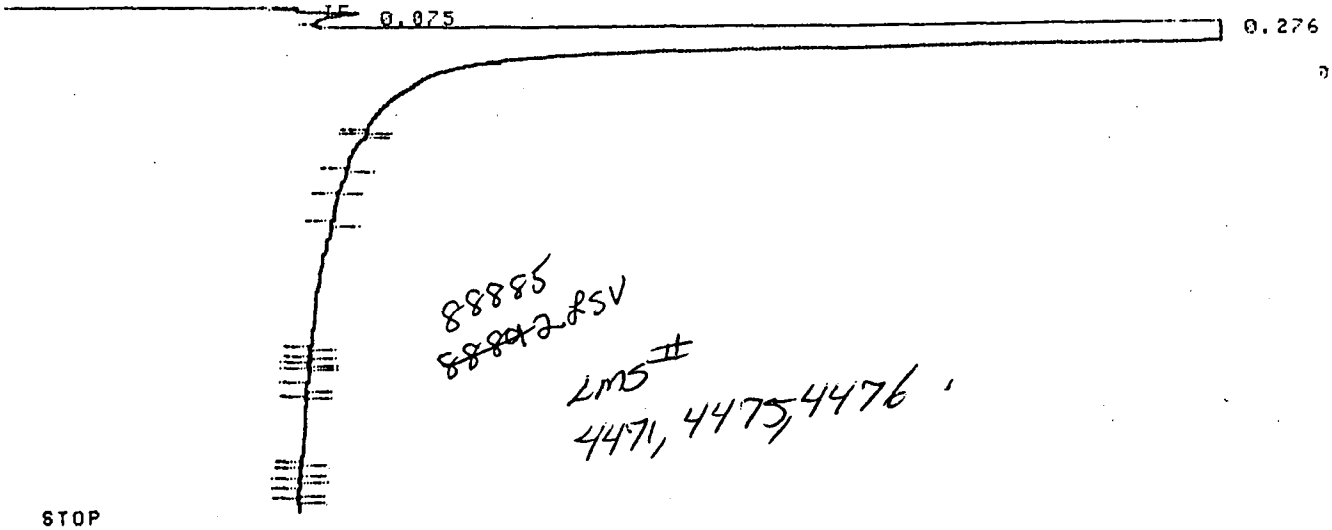
```
STOP


RUN#   434           OCT 12, 1988  12:19:20

SAMPLE NAME: SASAS

AREA%
      RT       AREA TYPE  WIDTH      AREA%
    .065       2963   PP   .059      .14582
    .270     966955   PV   .025    47.58778
    .344    1061105   VB   .073    52.22128
   2.140        917   BB   .045      .04513

TOTAL AREA=2031940
MUL FACTOR=1.0000E+00


*  RUN #  435      OCT 12, 1988  12:23:23
START
```



Blank

```
STOP


RUN#   435           OCT 12, 1988  12:23:23

SAMPLE NAME: SASAS

AREA%
      RT       AREA TYPE  WIDTH      AREA%
    .061       3189   PP   .060      .35035
    .266     907031   PB   .104    99.64966

TOTAL AREA= 910220
MUL FACTOR=1.0000E+00
```

* RUN # 436 OCT 12, 1988 12:30:11
START



88885
88882 SV
LMS #
4471, 4475, 4476

STOP

RUN# 436 OCT 12, 1988 12:30:11

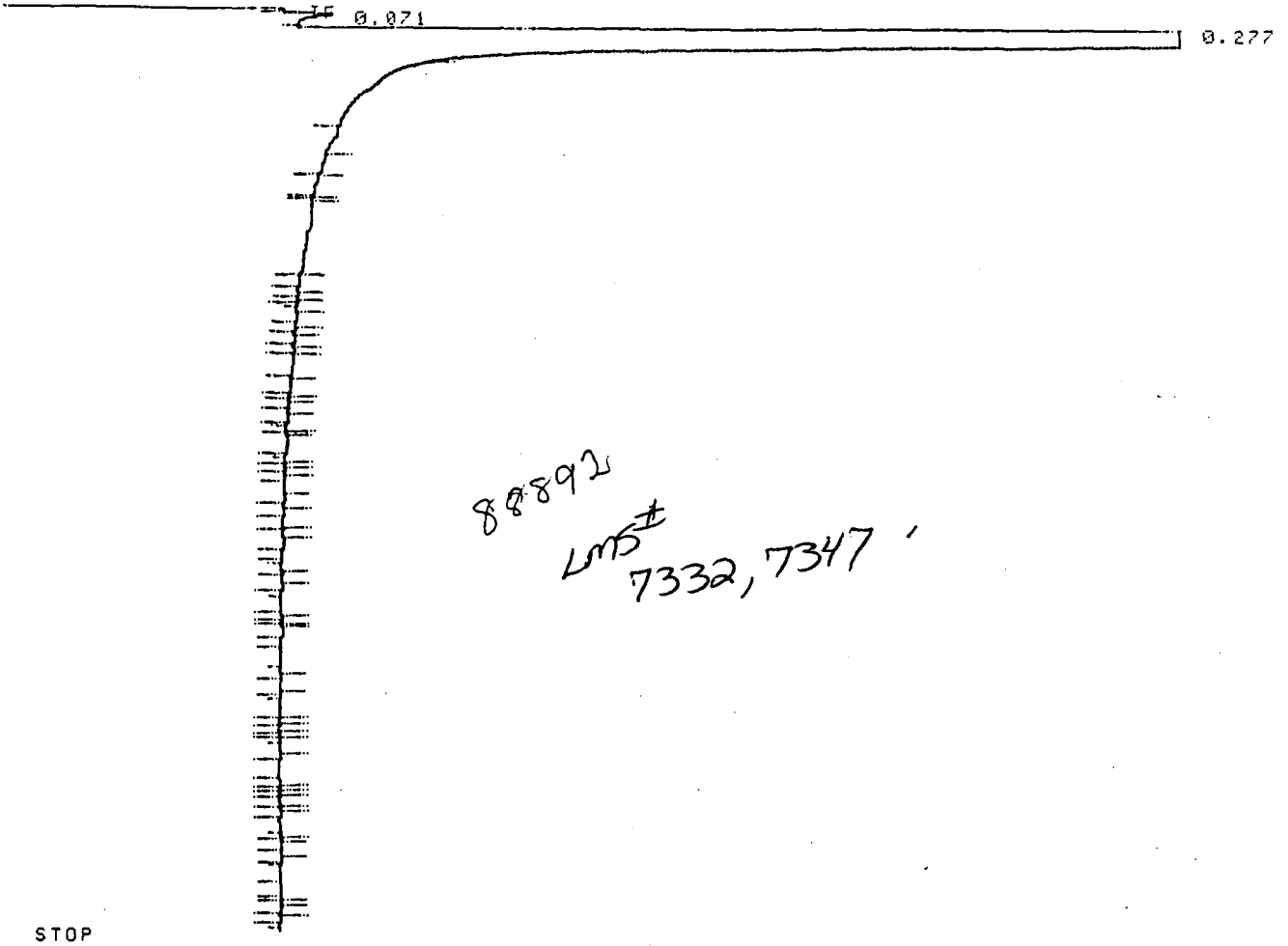
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.075	2895	PP	.060	.33843
.276	852515	PB	.114	99.66157

TOTAL AREA= 855410
MUL FACTOR=1.0000E+00

* RUN # 437 OCT 12, 1988 12:37:43
START



88892
LMS #
7332, 7347

STOP

RUN# 437 OCT 12, 1988 12:37:43

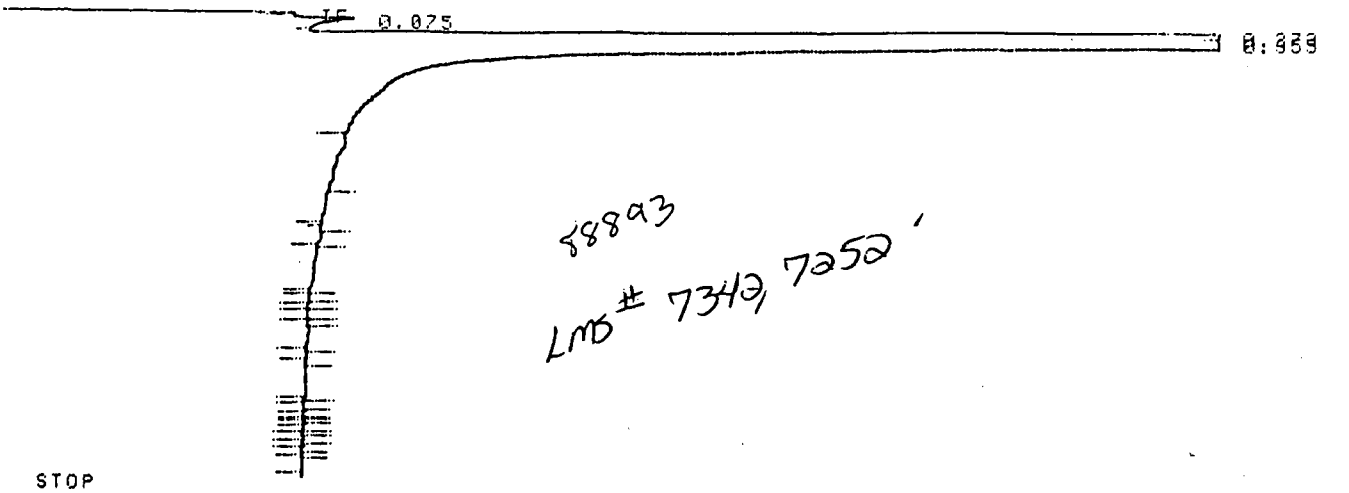
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.071	2559	BP	.061	.33450
.277	762455	PB	.102	99.66550

TOTAL AREA= 765014
MUL FACTOR=1.0000E+00

* RUN # 438 OCT 12, 1988 12:51:22
START



88893
LMS # 7343, 7252

STOP

RUN# 438 OCT 12, 1988 12:51:22

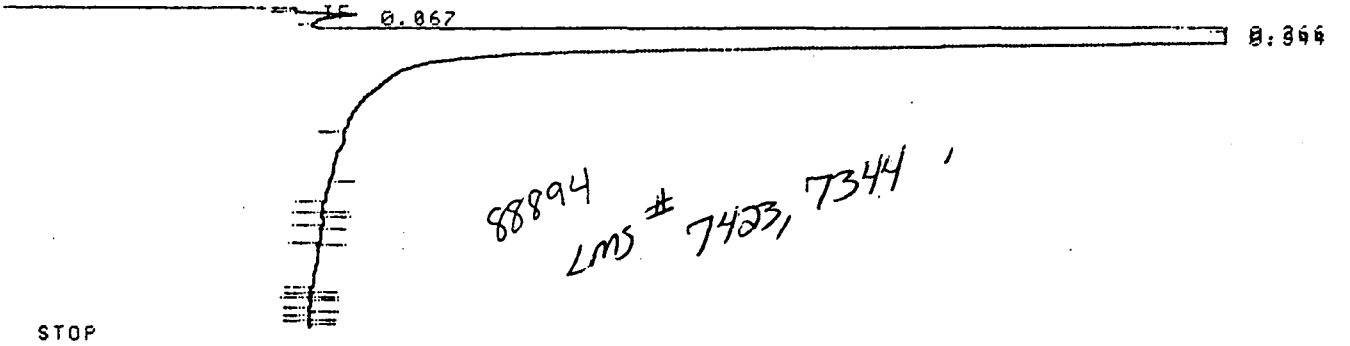
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.075	2796	PP	.059	.30415
.273	521194	PV	.041	56.69571
.355	395293	VB	.069	43.00014

TOTAL AREA= 919283
MUL FACTOR=1.0000E+00

* RUN # 439 OCT 12, 1988 12:58:21
START



88894
LMS # 7423, 7344

STOP

RUN# 439 OCT 12, 1988 12:58:21

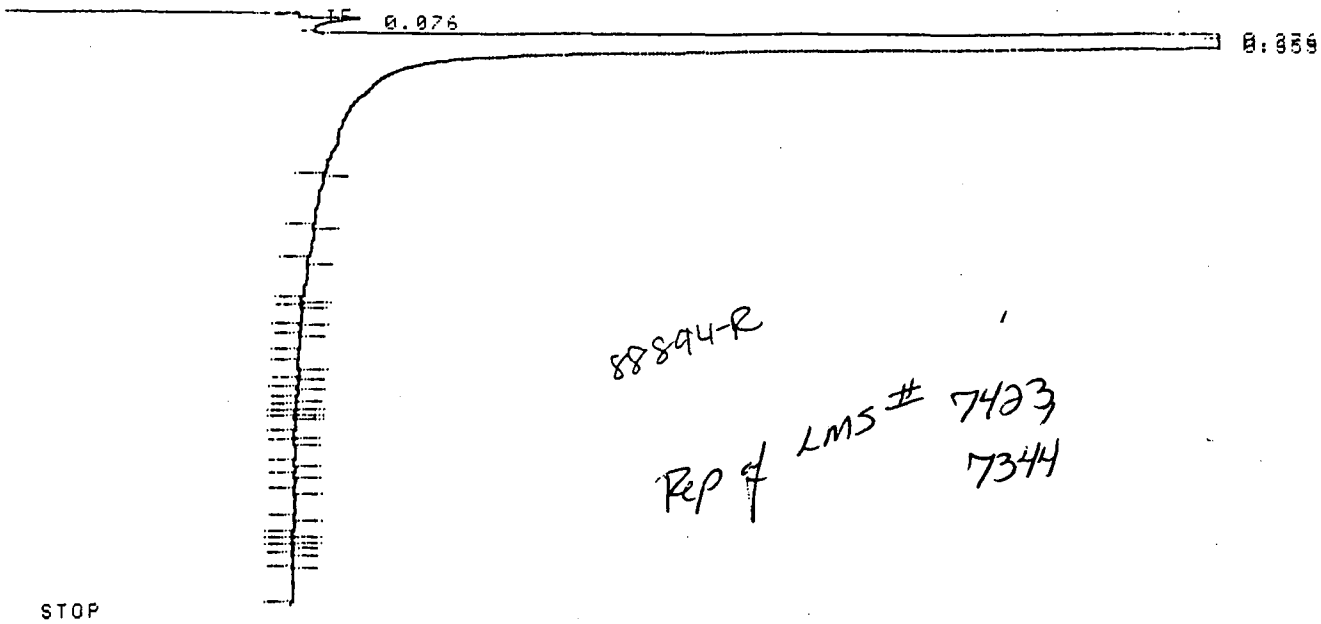
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.067	2787	PP	.058	.22389
.266	596092	PV	.025	47.88554
.344	645948	VB	.071	51.89059

TOTAL AREA=1244827
MUL FACTOR=1.0000E+00

* RUN # 440 OCT 12, 1988 13:03:09
START



88894-R

Rep of LMS # 7423
7344

STOP

RUN# 440 OCT 12, 1988 13:03:09

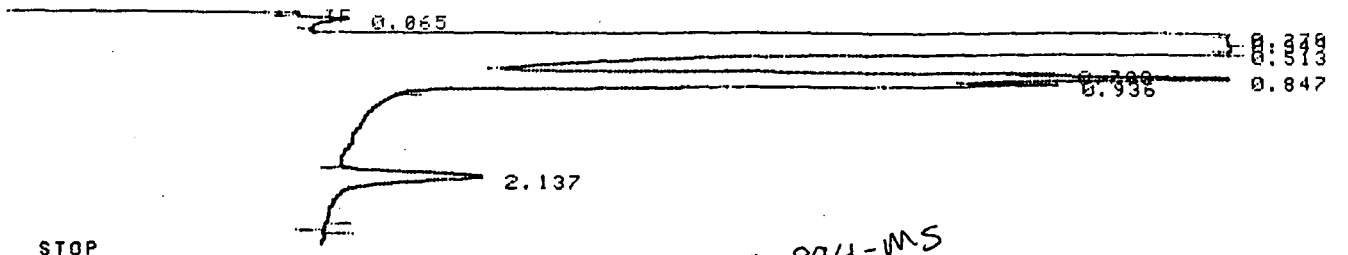
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.076	2923	PP	.058	.24513
.276	559930	PV	.026	46.95642
.355	629593	VB	.064	52.79846

TOTAL AREA=1192446
MUL FACTOR=1.0000E+00

* RUN # 441 OCT 12, 1988 13:11:45
START



STOP

88894-MS
Matrix spike of LMS# 7423, 7344

RUN# 441 OCT 12, 1988 13:11:45

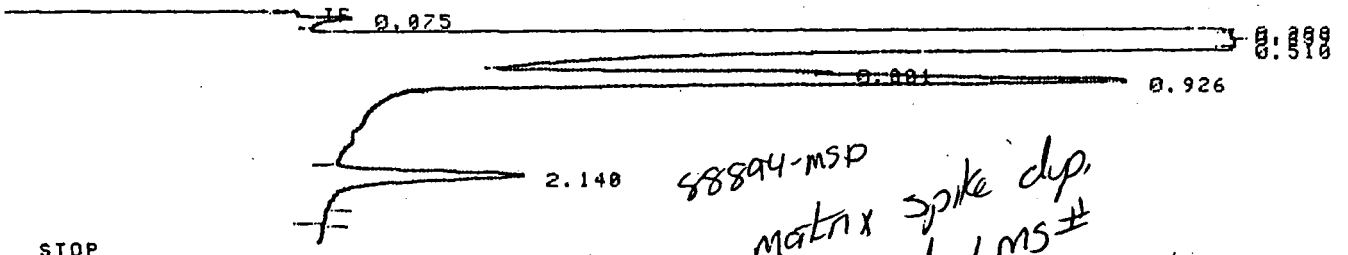
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.065	3305	PH	.074	.00515
.270	40060096	SHB	.031	62.45792
.349	23928672	TBP	.047	37.30731
.513	16201	TPB	.025	.02526
.793	21725	TBV	.043	.03387
.847	60511	TVV	.074	.09434
.936	32612	TVB	.060	.05085
2.137	16249	BB	.133	.02533

TOTAL AREA=6.4139E+07
MUL FACTOR=1.0000E+00

* RUN # 442 OCT 12, 1988 13:16:09
START



88894-MSD matrix spike dup. of LMS# 7423, 7344

STOP

RUN# 442 OCT 12, 1988 13:16:09

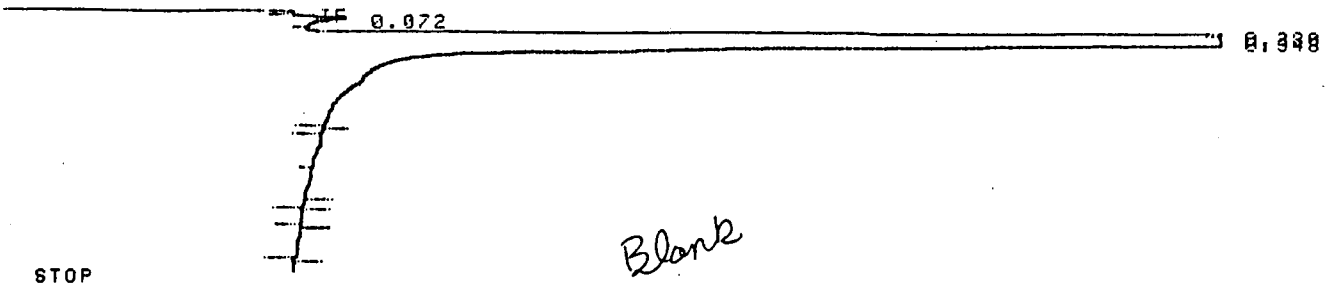
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.075	3663	PH	.078	.00497
.280	51790304	SHB	.035	70.28819
.339	21763232	TBB	.043	29.53638
.510	11408	TBB	.030	.01548
.801	13630	TBV	.044	.01850
.926	76232	TVB	.127	.10346
2.140	24396	BB	.150	.03311

TOTAL AREA=7.3683E+07
MUL FACTOR=1.0000E+00

* RUN # 443 OCT 12, 1988 13:19:48
START



Blank

STOP

RUN# 443 OCT 12, 1988 13:19:48

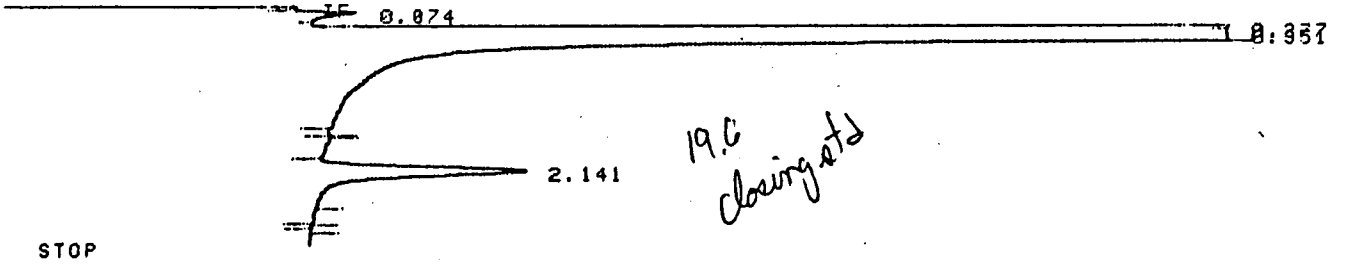
SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.072	2713	PP	.060	.24633
.280	490452	PV	.023	44.53096
.348	608208	VB	.061	55.22272

TOTAL AREA=1101373
MUL FACTOR=1.0000E+00

* RUN # 444 OCT 12, 1988 13:23:43
START



19.6 closing pts

STOP

RUN# 444 OCT 12, 1988 13:23:43

SAMPLE NAME: SASAS

AREA%

RT	AREA	TYPE	WIDTH	AREA%
.074	2964	BP	.060	.02686
.277	5220048	PV	.021	47.30109
.351	5785514	VB	.055	52.42499
2.141	27267	BB	.150	.24708

TOTAL AREA=1.1036E+07
MUL FACTOR=1.0000E+00

PCB SUPPORTIVE DOCUMENTATION

~~Pesticide~~/PCB Identification

Case No. LMS ETR 14944 Laboratory Aquatec, Inc.

Contract No. _____

000103

	SAMPLE ID	PRIMARY COLUMN	PESTICIDE/ PCB	RT OF TENTATIVE ID	RT WINDOW OF APPROPRIATE STANDARD	CONFIRMATION COLUMN	RT ON CONFIRMATORY COLUMN	RT WINDOW OF APPROPRIATE STANDARD	GC/MS CONFIRMED (Y or N)
PBLKW6	B092088W6P 1:1	RTx-5	—						
BLKS1	B09208851 1:5	RTx-5	—						
MS# 4474, 4772, 7263, W6 blank	88886 1:1	RTx-5	—						
LMS# 7260	88891 1:5	RTx-5	Aroclor 1260	22.00	22.01	RTx-35	12.83	12.83	N
7260-MS	M88891 1:10	RTx-5	Aroclor 1260	22.01	22.01	RTx-35	12.82	12.83	N

4/R

Pesticide/PCB Identification

Case No. LMS ETR 14944 Laboratory Aquatec, Inc.

Contract No. _____

	SAMPLE ID	PRIMARY COLUMN	PESTICIDE/ PCB	RT OF TENTATIVE ID	RT WINDOW OF APPROPRIATE STANDARD	CONFIRMATION COLUMN	RT ON CONFIRMATORY COLUMN	RT WINDOW OF APPROPRIATE STANDARD	GC/MS CONFIRMED (Y or N)
7262	88891	RTx-5	Aroclor 1260	22.00	22.01	RTx-35	12.82	12.83	N
	1:25								
7262	88891	RTx-5	Aroclor 1260	22.01	22.01	RTx-35	12.82	12.83	N
	1:10								
7262MS	M88891	RTx-5	Aroclor 1260	22.01	22.01	RTx-35	12.83	12.83	N
	1:25								
7262MS	M88891	RTx-5	Aroclor 1260	22.00	22.01	RTx-35	12.83	12.83	N
	1:5		Heptachlor	10.730	10.730±0.01		7.832	7.810±0.02	N
7262	88891	RTx-5	Aroclor 1260	22.01	22.01	RTx-35	12.82	12.83	N
	1:50								

0001104

LMS ETR

PESTICIDE/PCB QUANTITATION (Soil)

CASE NUMBER: 14944

LABORATORY: AQUATEC, INC.

CONTRACT NUMBER: [redacted]

000105

SMO SAMPLE ID	LAB SAMPLE ID	PRIMARY COLUMN	PESTICIDE/PCB	UNITS FROM SAMPLE CHROMAT.	CALIBRATION FACTOR^{-1} (ng/unit)	VOL EXT/ VOL INJ (ul/ul)	WEIGHT EXTRACTED^{-1} (1/g)	100/ % SOLID	DIL. FACTOR	CONC. ug/Kg DRY	% REC
PBLKS1	B092188S1	RTX-5 60m x 0.32mmID	Dibutyl chlorendate	5.120	.0007121	200000	.03333	1.00000	5.0E+0	1.22E+2	91
7262	88891	RTX-5 60m x 0.32mmID	Aroclor - 1260	150.309	.0015349	200000	.03333	1.13611	1.0E+2	1.75E+5	
		RTX-5 60m x 0.32mmID	Dibutyl chlorendate	4.729	.0007121	200000	.03333	1.13611	5.0E+0	1.28E+2	84
7262MS	M88891	RTX-5 60m x 0.32mmID	Aroclor - 1260	174.782	.0015349	200000	.03322	1.13611	1.0E+2	2.03E+5	
		RTX-5 60m x 0.32mmID	Dibutyl chlorendate	4.511	.0007121	200000	.03322	1.13611	5.0E+0	1.21E+2	80
		RTX-5 60m x 0.32mmID	Heptachlor	10.962	.0001785	200000	.03322	1.13611	5.0E+0	7.38E+1	122

DLB

PESTICIDE/PCB QUANTITATION (Water)

LMS ETR

~~BASE~~ NUMBER: 14944

LABORATORY: AQUATEC, INC.

CONTRACT NUMBER: —

000106

SMO SAMPLE ID	LAB SAMPLE ID	PRIMARY COLUMN	PESTICIDE/PCB	UNITS FROM SAMPLE CHROMAT.	CALIBRATION FACTOR (ng/units) $^{-1}$	VOLUME TOTAL EXTRACT (ul)	VOLUME INJECTED (1/ul) $^{-1}$	VOLUME EXTRACTED (1/ml) $^{-1}$	DIL. FACTOR	CONC. ug/l	% REC
PBLKW6	B092088W6P	RTX-5 60m x 0.32mmID	Dibutyl chlorendate	114.616	.0007121	10000.0	1.00000	0.00100	1.0E+0	8.16E-1	82
FIELD BLK	88886	RTX-5 60m x 0.32mmID	Dibutyl chlorendate	180.854	.0007121	10000.0	1.00000	0.00500	1.0E+0	6.44E+0	129

PK ht

RTx-35 Megabore
HP# 764.
3.0 ml inj

ECD
QUANTITATION

LMS EJR #14944

R.T.	Aroclor 1260 (0.640 ng)	88891 1:50	m88891 1:50
12.827	1193.6	2523.2	3033.8
13.356	1676.6	4597.1	5601.6
15.086	1812.9	5767.0	7087.7
15.341	1815.3	5227.2	6149.8
18.345	1574.0	5320.2	6416.9
	8012.4	23434.7	28289.8

Calibration factor = $\frac{1}{0.00079876}$

PCB QUANTITATION

pk ht

RTx-5
HP# 850
10/5/88
1 ul inj

LMS ETR# 14944

R.T.	Aroclor 1260 (0.200 ng)	88891 1:100	M88891 1:100
14.468	3552.2	3495.2	4021.5
16.415	3677.6	4705.4	5546.6
17.177	2119.3	2481.9	2898.2
18.379	1791.5	2081.0	2424.1
22.000	1889.7	2267.4	2587.8
	13030.3	15030.9	17478.2

Calibration factor^{-1} = 0.000015349

10/3/88

RTx-5
HP# 850
1 ul inj

RT.	Aroclor 1260 (0.200 ng)	88891 1:50
14.474	3570.3	6892.9
16.421	3809.3	9860.9
17.183	2519.4	4866.4
18.396	1836.1	4268.1
22.011	1898.2	4829.3
	13633.3	30717.6

Calibration factor^{-1} = 0.000014670

RTx-35 megabore
HP# 764
10/6/88
3.2 ml inj

QUANTITATION

LMS
ETR# 14944

(PK HT.) R.T.	Aroclor 1260 (0.640 ng)	88891 (1:100)	M88891 (1:100)	
12.705	1729.0	2515.8	2824.4	
~~13.24~~	~~3649.5~~	~~4061.0~~	~~4547.8~~	Interference
14.412	2313.6	3265.9	3709.2	
14.674	2229.9	3081.7	3490.4	
15.664	1777.8	2499.7	2876.3	
17.644	2242.9	3293.3	3733.2	
	10293.2	14656.4	16633.5	

Calibration factor^{-1} = 0.000062177

Pesticide Evaluation Standards Summary
(Page 1)

ETR
~~Case~~ No: 14944 Region: LMS

Laboratory: Aquatec, Inc.

Contract No:

GC Column: RTX-5 60m x 0.32mmID
COLUMN # 10227-846

Date of Analysis: 03-OCT-88

Instrument ID: 850

Evaluation Check for Linearity

Laboratory ID	EVALUATION MIX A	EVALUATION MIX B	EVALUATION MIX C	
Pesticide	Calibration Factor Eval Mix A	Calibration Factor Eval Mix B	Calibration Factor Eval Mix C	% RSD (≤ 10%)
Aldrin	4078.0	4119.2	4571.7	6.4
Endrin	2798.6	2723.3	3152.6	7.9
4,4'-DDT(1)	1326.7	1418.0	1702.1	13.2
Dibutyl Chlorendate	1255.4	1223.9	1309.8	3.4

Evaluation Check for 4,4'-DDT/Endrin Breakdown
(percent breakdown expressed as total degradation)

	Laboratory ID	Time of Analysis	Endrin	4,4'-DDT	Combined(2)
Eval Mix B 72 Hour	Eval Mix B	14:17	3.8%	3.4%	
Eval Mix B	Eval Mix B	17:04	4.5%	3.2%	
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					

(1) See Exhibit E, Section 7.5.4
(2) See Exhibit E, Section 7.3.1.2.2.1

000110

Pesticide Evaluation Standards Summary
(Page 2)

Evaluation of Retention Time Shift for Dibutyl Chlorendate
Report all standards, blanks, and samples

SMO Sample No.	Lab ID	Time of Analysis	Percent Diff.	SMO Sample No.	Lab ID	Time of Analysis	Percent Diff.
EVALA	Evaluation mix a	13:31	-------				
EVALB	Evaluation mix b	14:17	<0.01				
EVALC	Evaluation mix c	14:50	0.03				
INDA	Pesticide mix a	19:33	0.03				
INDB	Pesticide mix b	20:06	0.03				
TOXAPH	Toxaphene 400 c/f	20:39	<0.01				
CHLOR	Chlordane 100 c/f	21:12	0.03				
AR1660	Aroclor 1016/1260	21:45	0.03				
AR1221	Aroclor 1221 25 c/f	22:18	0.03				
AR1232	Aroclor 1232 15 c/f	22:51	0.03				
AR1242	Aroclor 1242 10 c/f	23:24	0.03				
AR1248	Aroclor 1248 10 c/f	23:57	0.03				
AR1254	Aroclor 1254 15 c/f	00:30	0.03				
PBLKW6	B092088W6P	13:13	0.08				
PBLKS1	B092088S1 1:5	13:46	0.08				
FIELD BLK	88886	14:19	0.08				
7262	88891 1:5	14:52	0.05				
7262MS	M88891 1:10	15:25	0.05				
EVALB	Evaluation mix b	17:04	0.08				
7262	88891 1:50	17:37	0.05				
7262	88891 1:10	18:43	0.05				
7262MS	M88891 1:5	19:49	0.05				
INDA	Pesticide mix a	20:55	0.05				
INDB	Pesticide mix b	21:28	0.08				

E = Percent difference calculated using Endrin Ketone

PESTICIDE/PCB STANDARDS SUMMARY

Case No. _____ Laboratory Aquatec, Inc. Column # 10227-846
Contract No. [redacted] GC Column RTX-5 60m x 0.32mmID GC Instrument ID 850

	DATE OF ANALYSIS 03-OCT-88 TIME OF ANALYSIS 19:33 LABORATORY ID Pesticide mix a 50%				DATE OF ANALYSIS 04-OCT-88 TIME OF ANALYSIS 20:55 LABORATORY ID Pesticide mix a 50%			
COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF.**
alpha-BHC								
beta-BHC								
delta-BHC								
gamma-BHC	9.601	+/-0.01	3813.2	QUANT.	9.601	4234.4	QUANT.	-11.0
Heptachlor	10.730	+/-0.01	5602.8	QUANT.	10.730	5676.0	QUANT.	-1.3
Aldrin	11.342	+/-0.02	4078.4	QUANT.	11.336	4297.2	QUANT.	-5.4
Heptachlor Epoxide	12.110	+/-0.02	4523.8	QUANT.	12.104	4649.5	QUANT.	-2.8
Endosulfan I	12.938	+/-0.02	3892.1	QUANT.	12.933	4027.2	QUANT.	-3.5
Dieldrin	13.611	+/-0.02	3101.1	QUANT.	13.611	3168.3	QUANT.	-2.2
4,4'-DDE								
Endrin								
Endosulfan II	14.546	+/-0.03	2863.0	QUANT.	14.540	3012.1	QUANT.	-5.2
4,4'-DDD								
Endrin Aldehyde	15.186	+/-0.03	2036.6	QUANT.	15.180	2203.4	QUANT.	-8.2
Endosulfan Sulfate								
4,4'-DDT	16.231	+/-0.03	1504.2	QUANT.	16.226	1501.7	QUANT.	0.2
Methoxyclor	19.280	+/-0.02	707.3	QUANT.	19.269	750.2	QUANT.	-6.1
Endrin Ketone		✓						
Tech. Chlordane								
alpha-Chlordane*								
gamma-Chlordane*								
Toxaphene								
Aroclor - 1016								
Aroclor - 1221								
Aroclor - 1232								
Aroclor - 1242								
Aroclor - 1248								
Aroclor - 1254								
Aroclor - 1260								

* SEE EXHIBIT B, PART 7
** CONF. = CONFIRMATION (<20% DIFFERENCE)
** QUANT. = QUANTITATION (<15% DIFFERENCE)

PESTICIDE/PCB STANDARDS SUMMARY

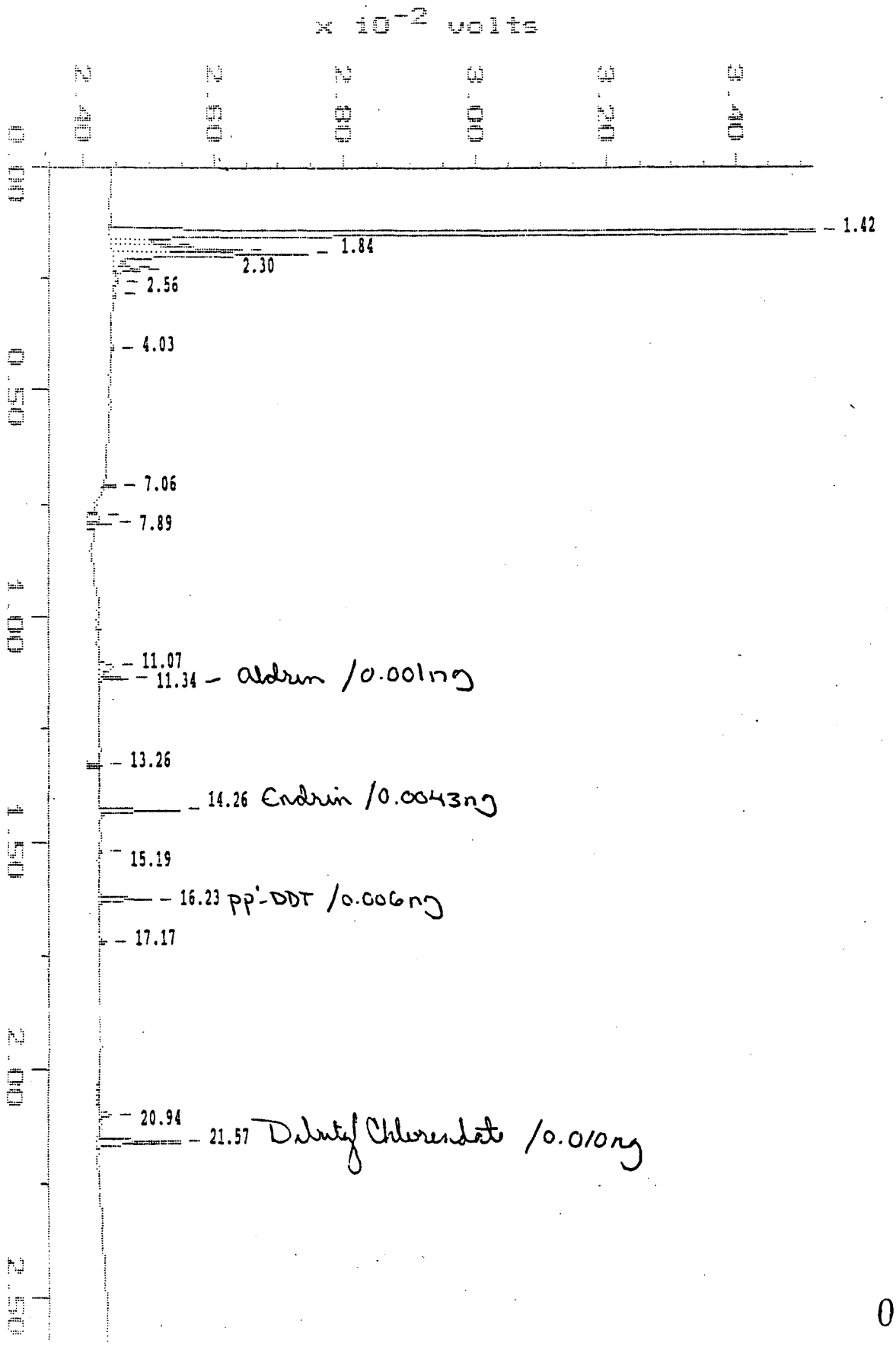
Case No. _____ Laboratory Aquatec, Inc. Column # 10227-846
Contract No. [redacted] GC Column RTX-5 60m x 0.32mmID GC Instrument ID 850

	DATE OF ANALYSIS 03-OCT-88 TIME OF ANALYSIS 20:06 LABORATORY ID Pesticide mix b 50%				DATE OF ANALYSIS 04-OCT-88 TIME OF ANALYSIS 21:28 LABORATORY ID Pesticide mix b 50%			
COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF.**
alpha-BHC	9.111	<+/-0.01	3487.6	QUANT.	9.111	3714.0	QUANT.	-6.5
beta-BHC	9.512	<+/-0.01	2656.2	QUANT.	9.506	2830.2	QUANT.	-6.6
delta-BHC	9.968	+/-0.01	2694.4	QUANT.	9.962	3033.4	QUANT.	-12.6
gamma-BHC								
Heptachlor								
Aldrin	11.342	+/-0.02	4395.8	QUANT.	11.336	4495.0	QUANT.	-2.3
Heptachlor Epoxide								
Endosulfan I								
Dieldrin								
4,4'-DDE	13.500	+/-0.02	2579.7	QUANT.	13.495	2724.2	QUANT.	-5.6
Endrin	14.257	+/-0.03	3141.5	QUANT.	14.251	3127.8	QUANT.	0.4
Endosulfan II								
4,4'-DDD	14.796	+/-0.03	1465.4	QUANT.	14.785	1537.1	QUANT.	-4.9
Endrin Aldehyde								
Endosulfan Sulfate	16.098	+/-0.03	2493.1	QUANT.	16.087	2564.7	QUANT.	-2.9
4,4'-DDT								
Methoxyclor								
Endrin Ketone	18.256	+/-0.02	2294.9	QUANT.	18.245	2405.8	QUANT.	-4.8
Tech. Chlordane								
alpha-Chlordane*								
gamma-Chlordane*								
Toxaphene								
Aroclor - 1016								
Aroclor - 1221								
Aroclor - 1232								
Aroclor - 1242								
Aroclor - 1248								
Aroclor - 1254								
Aroclor - 1260								

* SEE EXHIBIT B, PART 7
** CONF. = CONFIRMATION (<20% DIFFERENCE)
** QUANT. = QUANTITATION (<15% DIFFERENCE)

000113

Sample: EVAL A Channel: ECD FSC RTx-5 Filename: AF100302
Acquired: 03-OCT-88 13:31 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



MAXIMA 820 CUSTOM REPORT

Printed: 3-OCT-1988 18:39:47

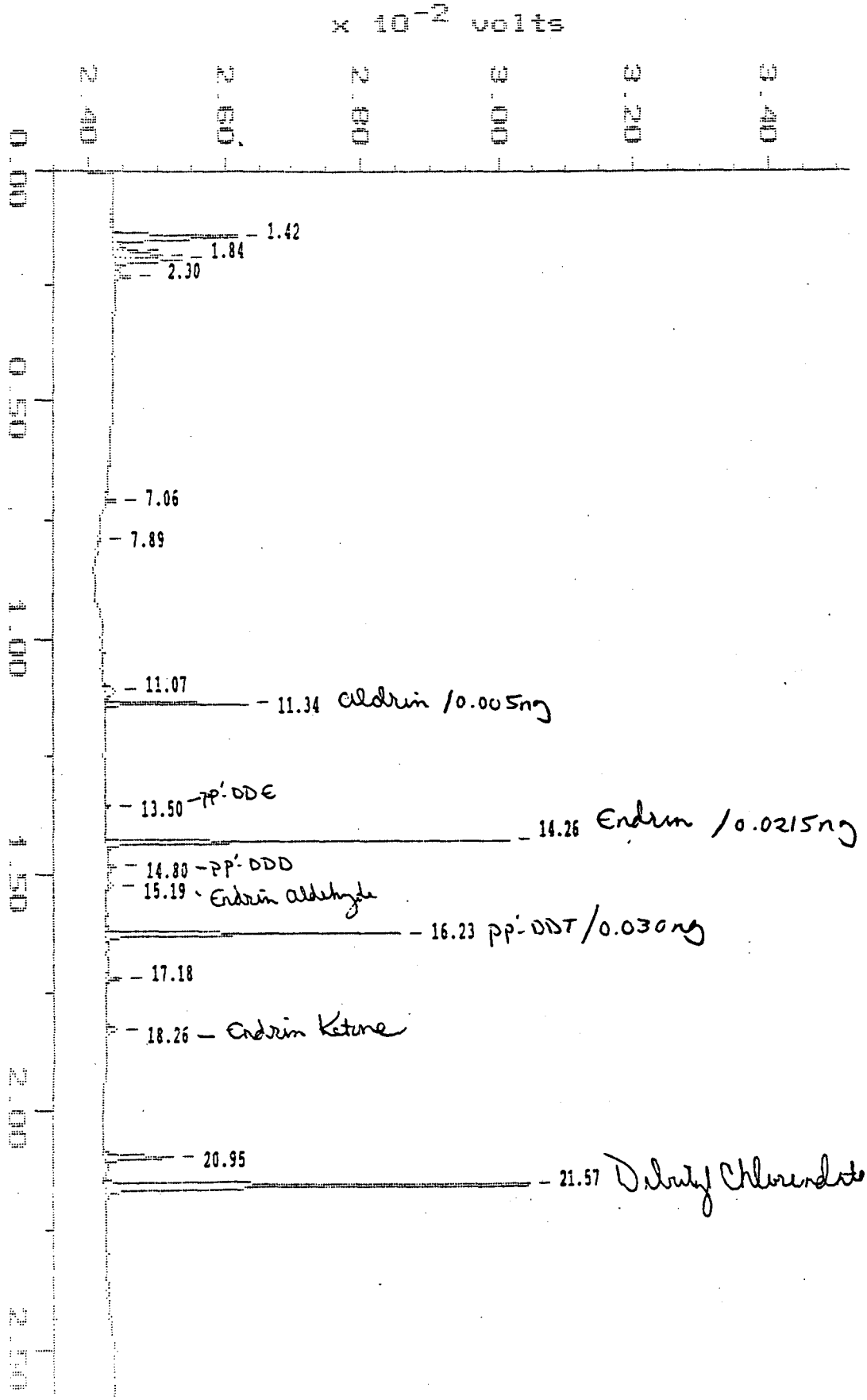
SAMPLE: EVAL A
#2 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 3-OCT-1988 13:31
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AP100302
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.418	BP	18801.1	132249.3
1.724	PP	887.9	3964.0
1.841	PP	2001.6	11074.9
1.930	PB	3004.0	15486.4
2.225	SV	200.5	711.2
2.303	VS	357.5	1624.5
2.559	BB	74.6	608.3
2.859	BB	54.1	328.6
4.027	BB	63.9	340.5
7.059	BB	190.9	487.0
7.743	BP	187.6	1518.7
7.893	PB	358.3	732.5
11.075	BP	219.2	2200.5
11.342	PB	407.8	997.8
13.261	BB	198.8	312.2
14.257	BB	1203.4	3965.4
15.186	BB	51.3	195.9
16.231	BB	796.0	3021.8
17.171	BB	121.0	487.7
20.943	BB	196.9	1517.8
21.566	BB	1255.4	6929.7
TOTAL		30631.9	188754.7

Sample: EVAL B Channel: ECD FSC RTx-5 Filename: AF100303
Acquired: 03-OCT-88 14:17 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000116

MAXIMA 820 CUSTOM REPORT

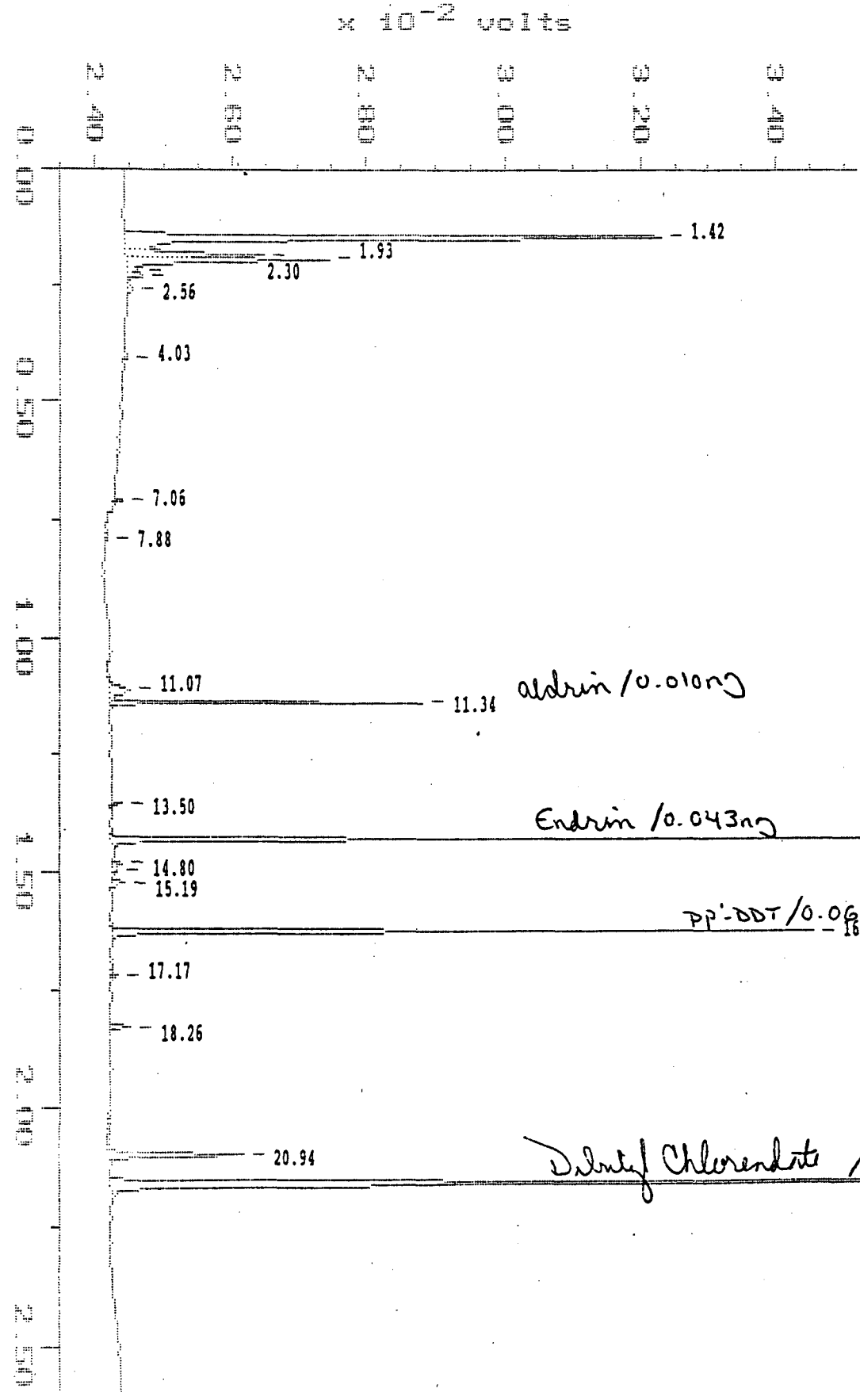
Printed: 3-OCT-1988 18:40:42

SAMPLE: EVAL B
Type: UNKN
#3 in Method: COLUMN: FSC RTx-5 ID #10227-846
Instrument: HP850
Acquired: 3-OCT-1988 14:17
Filename: AF100303
Rate: 3.0 points/sec
Index: Disk
Duration: 25.999 minutes
Injection Volume: 1.0
Operator: KAT
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.418	BP	1822.6	13614.7
1.724	PP	331.2	1693.0
1.841	PP	705.4	4198.8
1.930	PP	991.2	4624.7
2.303	PB	221.3	1646.7
7.059	BB	145.6	1288.4
7.888	BB	64.1	145.9
11.075	BB	142.0	1407.1
11.342	BB	2059.6	4360.0
13.500	BB	60.9	158.3
14.257	BB	5855.1	17846.1
14.802	BB	91.1	411.6
15.191	BB	95.7	317.4
16.231	BB	4254.0	15910.4
17.177	BB	212.6	894.8
18.256	BB	132.6	573.7
20.948	BB	959.9	5438.0
21.566	BB	6119.3	33273.9
TOTAL		24263.9	107803.4

Sample: EWAL C Channel: ECD FSC RTx-5 Filename: AF100304
Acquired: 03-OCT-88 14:50 Method: C:\MAX\850\AF1003MA Operator: RAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000118

MAXIMA 820 CUSTOM REPORT

Printed: 3-OCT-1988 18:41:37

SAMPLE: EVAL C
#4 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 3-OCT-1988 14:50
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

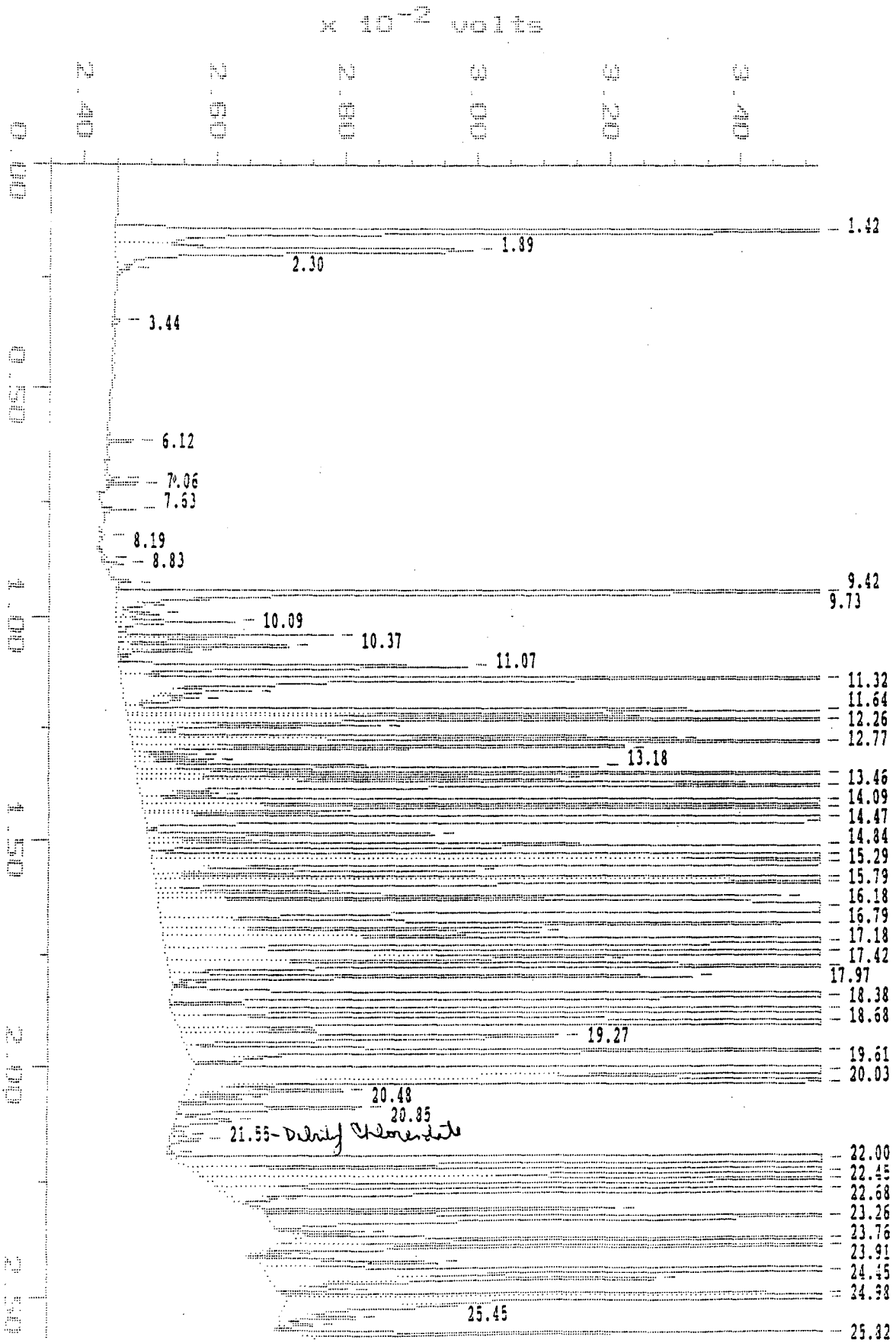
Type: UNKN
Instrument: HP850
Filename: AF100304
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.424	BP	7869.2	63451.9
1.841	PP	2029.1	11101.5
1.930	PB	3014.4	16587.8
2.214	SV	99.1	429.8
2.297	VS	183.1	786.5
2.559	BB	67.0	474.1
4.033	BB	65.6	365.3
7.059	BB	119.4	265.6
7.882	BB	53.9	433.3
11.075	BP	296.8	3440.7
11.342	PB	4571.7	9460.0
13.500	BB	141.7	467.1
14.257	BB	13556.0	38931.8
14.802	BP	140.3	556.9
14.919	PB	61.8	243.2
15.191	BB	196.1	898.1
16.231	BB	10212.3	34908.3
17.171	BB	112.9	429.5
18.256	BB	293.1	1343.2
20.943	BB	1914.9	10652.4
21.560	BB	13098.0	70515.7
TOTAL		58096.4	265742.6

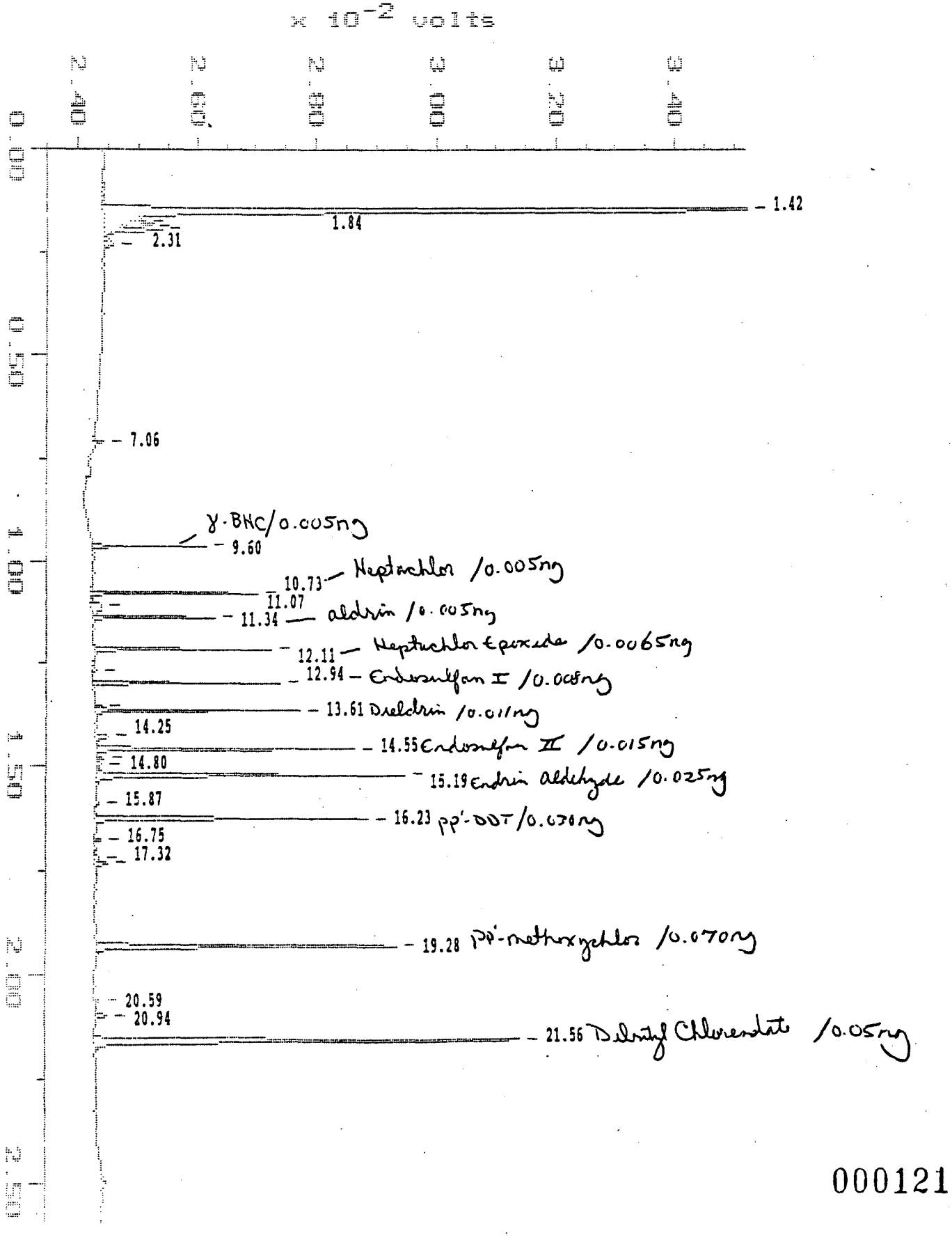
7262 MS

Sample: M083391 1:5 Channel: ECD FSC RTx-5 Filename: AF100352
Acquired: 04-OCT-88 19:49 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : ~~1.000~~ KAT 5.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000120

Sample: IND A 50% Channel: ECD FSC RTx-5 Filename: AF100309
Acquired: 03-OCT-88 19:33 Method: C:\MAE\850\AF1003MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000121

MAXIMA 820 CUSTOM REPORT

Printed: 3-OCT-1988 20:07:44

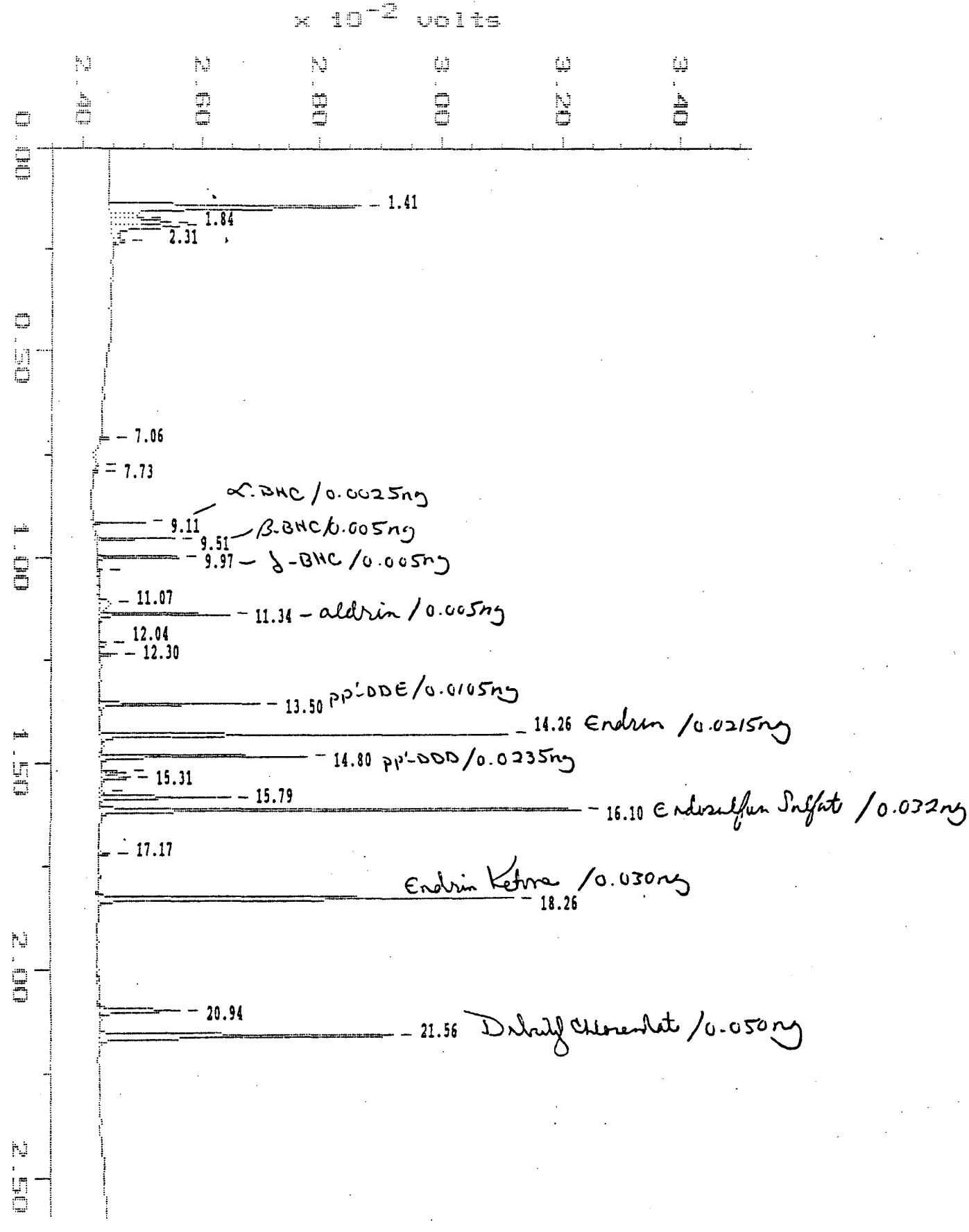
SAMPLE: IND A 50%
#9 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 3-OCT-1988 19:33
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AF100309
Index: 9
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.418	BB	16906.6	126596.5
1.724	SV	200.7	679.7
1.841	VV	445.8	2465.1
1.930	VS	762.0	2993.9
2.308	SS	130.5	940.2
7.059	BB	141.5	433.4
9.601	BB	1906.6	3739.2
10.730	BP	2801.4	6367.2
11.075	PP	165.7	2132.2
11.342	PB	2039.2	4379.5
12.110	BB	2940.5	6822.8
12.632	BB	54.4	359.8
12.938	BB	3113.7	8069.3
13.500	BP	98.5	286.9
13.611	PB	3411.2	9506.7
14.251	BB	209.5	1343.0
14.546	BB	4294.5	13258.5
14.796	BP	112.2	400.9
14.924	PP	75.5	385.8
15.186	PB	5091.4	18708.4
15.870	BB	52.7	272.4
16.231	BB	4512.7	15895.5
16.754	BB	113.7	436.1
17.166	BP	69.5	389.9
17.316	PB	197.9	792.2
19.280	BB	4951.0	23420.8
20.592	Bd	47.9	199.2
20.943	BB	183.3	1017.4
21.560	BB	7021.0	38699.8
TOTAL		62051.2	290992.3

Sample: IND B 50% Channel: ECD FSC RTx-5 Filename: AF100310
Acquired: 03-OCT-88 20:06 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



MAXIMA 820 CUSTOM REPORT

Printed: 3-OCT-1988 20:40:46

SAMPLE: IND B 50%
#10 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 3-OCT-1988 20:06
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

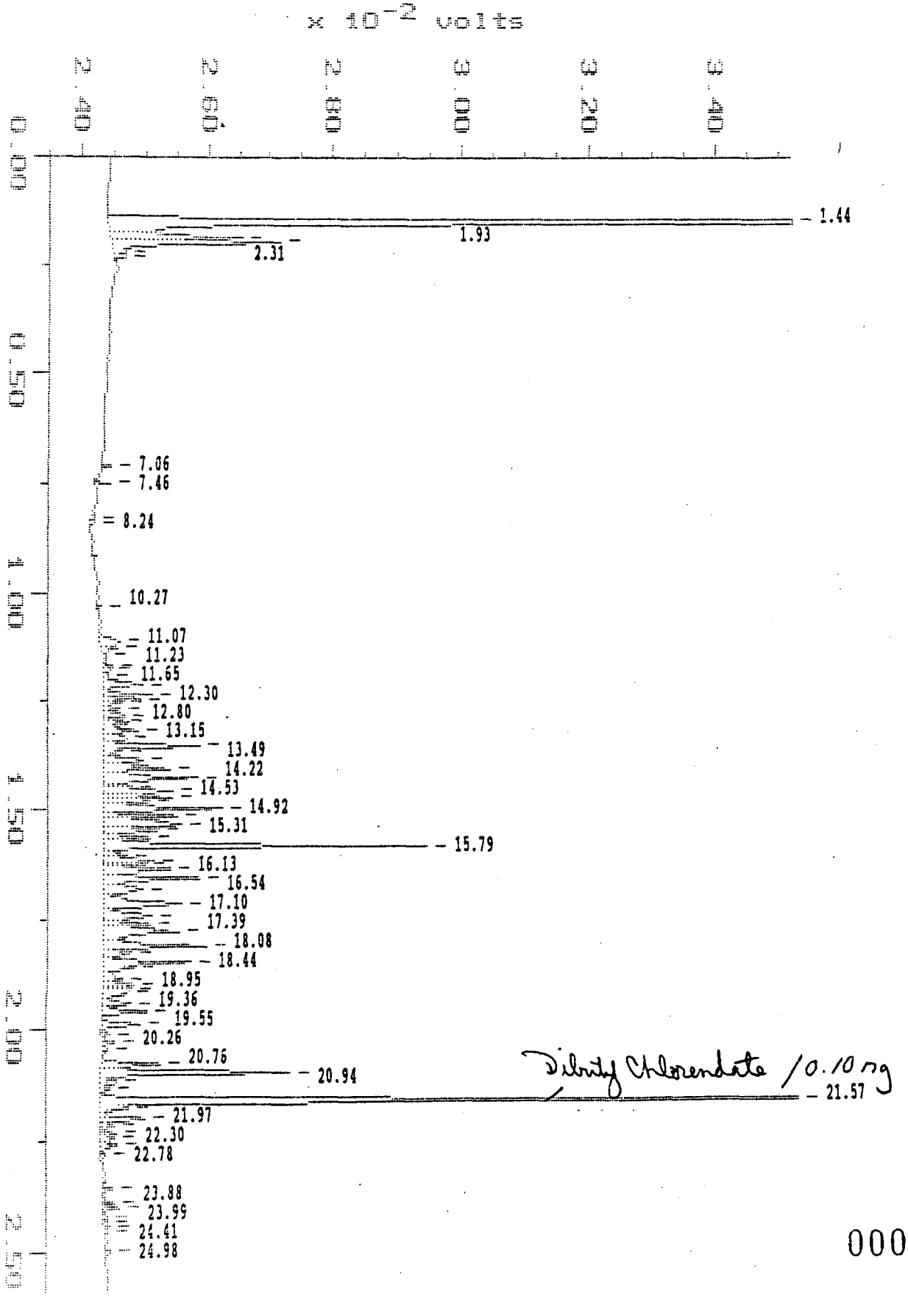
Type: UNKN
Instrument: HP850
Filename: AF100310
Index: 10
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BP	4259.0	35111.5
1.724	PP	558.1	2660.0
1.841	PP	995.3	6594.7
1.930	PB	1164.3	7361.2
2.314	SS	170.1	986.6
7.059	BB	135.7	619.0
7.726	BB	55.4	148.2
7.882	BB	63.7	143.5
9.111	BB	871.9	1678.1
9.512	BB	1328.1	2873.0
9.968	BB	1347.2	2772.8
10.263	BB	52.9	339.1
11.075	BP	189.3	2166.7
11.342	PB	2197.9	4889.1
12.043	BB	108.0	475.9
12.304	BB	289.2	764.6
13.500	BB	2708.7	7687.5
14.257	BB	6754.3	20552.4
14.796	BB	3443.8	10828.5
15.186	BP	388.6	1452.4
15.308	PB	466.1	2399.3
15.670	BP	49.1	181.8
15.792	PB	2171.6	7865.3
16.098	BB	7977.8	28707.6
17.171	BB	162.7	701.5
18.256	BB	6884.8	28688.6
20.943	BB	1313.6	6669.1
21.560	BB	4827.1	26391.6
TOTAL		50934.4	211709.7

KAT

Sample: TOXAPH 0.4 ng Channel: ECD FSC RTx-5 Filename: AF100311
Acquired: 03-OCT-88 20:39 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



Dibutyl Chlorendate / 0.10 ng

000125

MAXIMA 820 CUSTOM REPORT

Printed: 3-OCT-1988 21:14:09

SAMPLE: TOXAPH 0.4 ng
#11 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 3-OCT-1988 20:39
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AF100311
Index: 11
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.435	BP	13332.8	113564.9
1.847	PP	2101.2	12805.6
1.930	PB	2693.9	16926.6
2.203	SV	79.6	454.7
2.308	VS	153.1	585.9
7.064	BB	151.2	354.0
7.465	BB	220.2	523.5
8.238	BP	51.9	236.4
8.360	PB	58.4	205.0
10.268	BB	46.4	247.2
11.075	BP	311.7	2844.4
11.231	PP	239.6	1045.6
11.409	PP	48.6	172.0
11.653	PP	148.8	481.5
11.726	PP	92.7	370.2
11.882	PP	80.7	378.0
12.071	PP	624.9	4185.7
12.304	PP	780.1	3127.0
12.404	PP	592.0	1929.1
12.488	PP	300.6	1422.8
12.632	PP	264.2	1301.6
12.799	PP	337.6	2182.7
12.894	PP	303.3	1123.4
13.150	PP	544.8	5513.2
13.322	PP	377.2	3344.3
13.489	PP	1514.9	9528.9
13.606	SS	110.3	211.8
13.806	PP	621.6	3728.4
14.023	PP	1073.4	7162.4
14.218	PP	1494.4	12169.1
14.435	PP	450.8	2291.0
14.529	PP	1105.8	7318.2
14.685	PP	1101.0	4607.0
14.763	PP	727.2	4282.9

AF100311

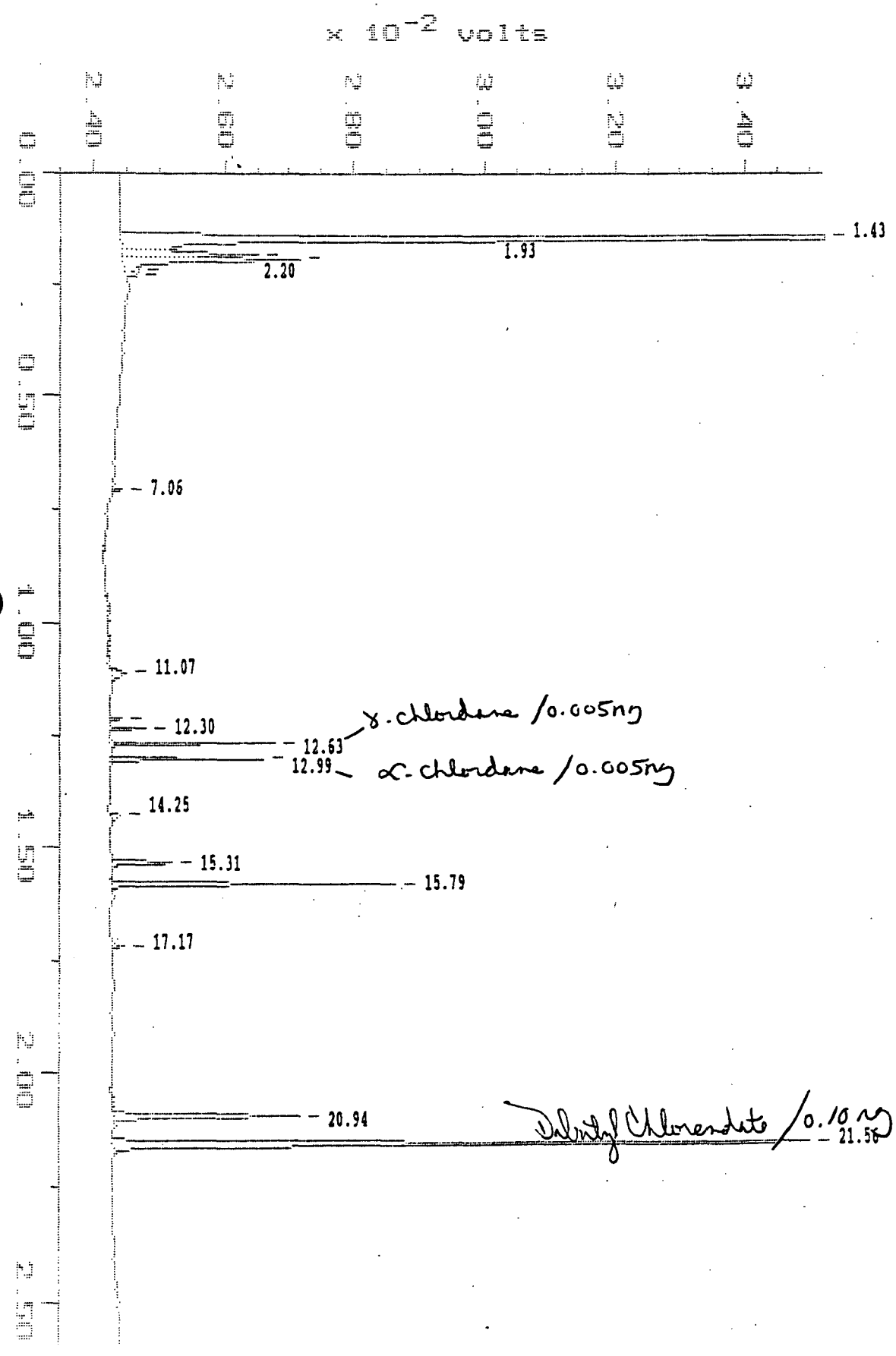
Kit

14.924	PP	1893.8	12274.9
15.113	PP	1157.5	4720.4
15.308	PP	1252.2	11057.8
15.430	PP	869.5	5705.5
15.603	PP	720.7	3543.9
15.792	PP	5082.1	23443.6
16.020	PP	376.7	2190.5
16.131	PP	791.1	4268.9
16.209	PP	649.7	2702.6
16.315	PP	1064.1	7336.7
16.537	PP	1525.6	10010.9
16.782	PP	635.9	6252.2
17.105	PP	1238.8	11214.0
17.388	PP	752.4	6997.3
17.583	PP	740.8	3408.4
17.756	PP	1199.7	11579.7
18.078	PP	1613.1	9296.4
18.217	PP	434.6	3305.9
18.440	PP	1361.8	10004.9
18.573	SS	162.6	532.6
18.824	PP	301.6	2621.8
18.946	PP	466.8	2214.7
19.024	PP	441.6	2014.3
19.091	PP	396.7	3049.5
19.363	PP	459.7	2918.6
19.552	PP	714.3	4118.5
19.836	PP	590.2	3565.9
20.064	PP	115.3	485.2
20.259	PP	177.4	940.3
20.409	PB	51.0	224.4
20.759	BP	915.9	5504.8
20.943	PP	2966.4	18632.1
21.149	SV	180.0	869.4
21.293	VS	94.9	461.7
21.566	PP	11408.2	64911.7
21.738	SS	151.6	551.6
21.966	SV	654.3	3890.3
22.128	VS	181.0	963.3
22.300	PP	246.0	986.5
22.400	PP	213.6	1439.1
22.562	PP	257.7	1520.1
22.778	PB	66.5	237.0
23.535	BP	146.7	609.6
23.880	PP	182.4	897.7
23.986	PB	226.7	785.3
24.202	BP	62.0	272.0
24.314	PP	57.2	171.7
24.408	PP	82.5	267.4
24.531	PB	49.2	116.7
24.976	BB	73.9	258.7

AF100311

TOTAL	77589.2	501972.1

Sample: CHLOR 0.005 ng Channel: ECD FSC RTx-5 Filename: AF100312
Acquired: 03-OCT-88 21:12 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000129

MAXIMA 820 CUSTOM REPORT

Printed: 3-OCT-1988 21:46:46

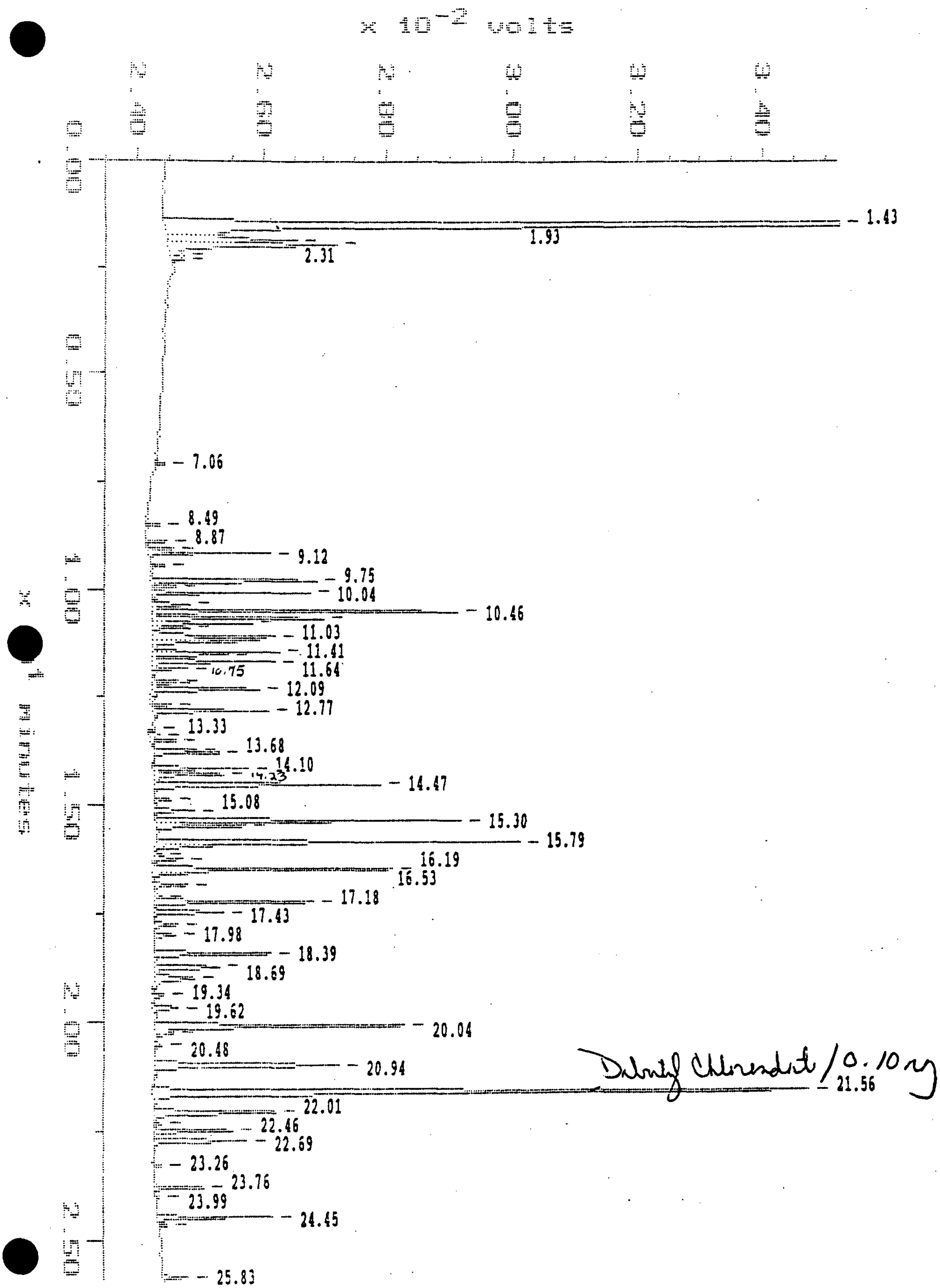
SAMPLE: CHLOR 0.005 ng
#12 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 3-OCT-1988 21:12
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AF100312
Index: 12
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.430	BP	16360.4	133090.7
1.847	PP	2080.0	12980.9
1.930	PB	2703.7	16419.8
2.197	SV	80.3	441.4
2.303	VS	119.3	433.8
7.059	BB	124.6	284.7
11.075	BB	223.5	1053.4
12.087	BB	183.5	469.0
12.304	BB	532.7	1327.3
12.632	BB	2495.8	6435.7
12.994	BB	2326.0	6115.6
14.251	BB	148.7	896.5
15.308	BB	914.8	4660.7
15.792	BB	4340.5	15515.6
17.171	BB	167.5	761.5
20.937	BB	2812.5	15161.3
21.560	BB	10539.9	57071.8
TOTAL		46153.7	273119.6

Sample: [illegible] 0.2 ng　Channel: [illegible]　Filename: [illegible]
Acquired: 03-OCT-88 21:45　Method: C:\MAX\850\AF1003MA　Operator: KAT
Dilution: 1 : 1.000　Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



MAXIMA 820 CUSTOM REPORT

Printed: 3-OCT-1988 22:20:14

SAMPLE: AR1660 0.2 ng
#13 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 3-OCT-1988 21:45
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AP100313
Index: 13
Injection Volume: 1.0
Dilution: 1.000

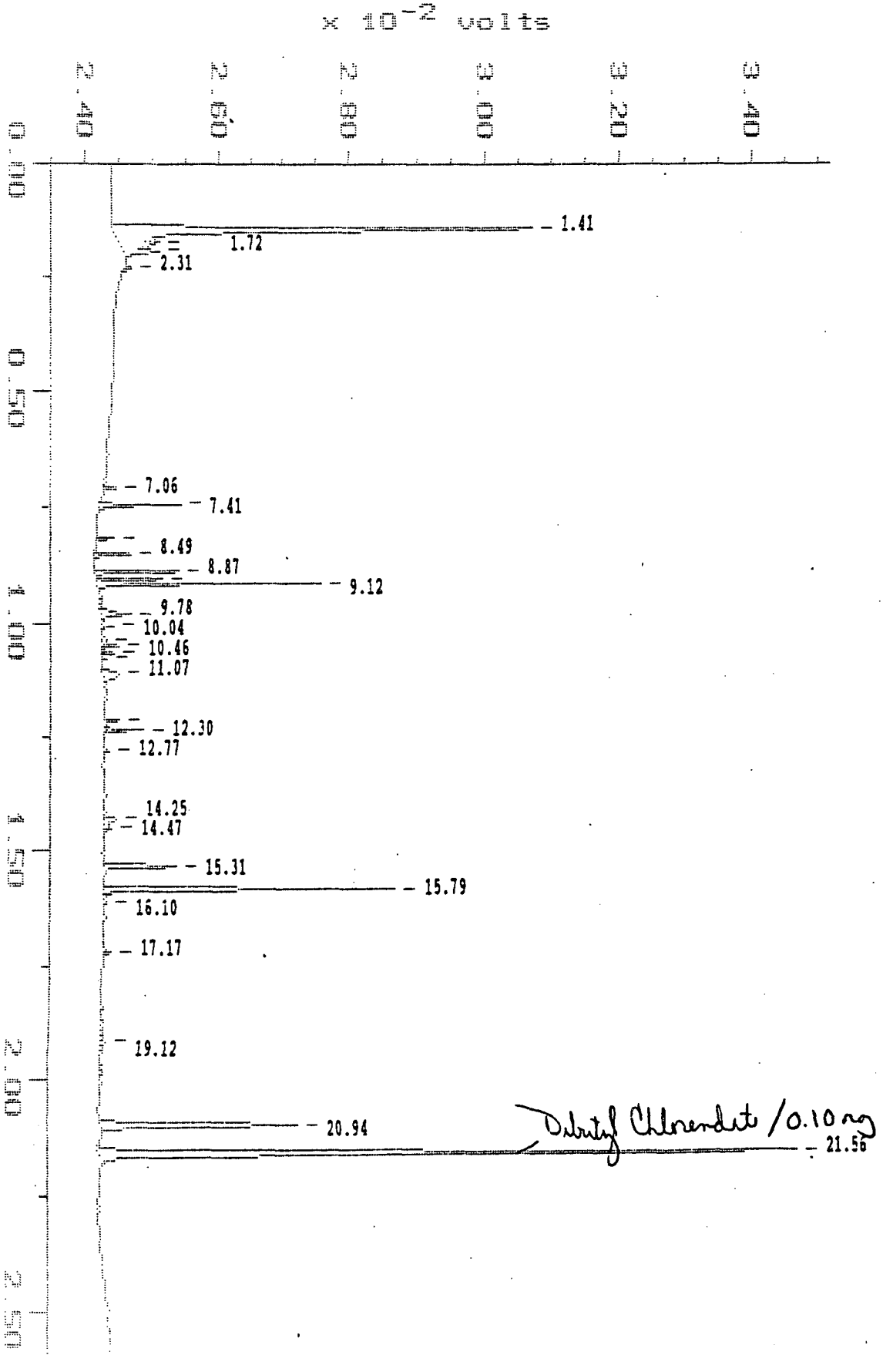
DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.430	BP	15951.3	131466.0
1.847	PP	2074.6	12890.5
1.930	PB	2713.7	16395.9
2.203	SV	86.9	480.4
2.314	VS	165.8	611.5
7.059	BB	153.9	399.1
8.488	BB	215.3	541.3
8.867	BP	307.6	794.1
9.028	PP	406.5	1003.3
9.117	PB	1943.9	5158.7
9.417	BB	228.3	588.9
9.746	BP	2647.3	11487.7
9.907	SS	330.2	773.3
10.040	PP	2516.2	6393.4
10.307	PP	553.4	2247.0
10.463	PP	4839.9	15791.3
10.624	PP	2707.5	7441.9
10.752	PP	1550.2	4143.3
10.847	PP	566.7	1626.6
11.030	PP	1908.5	10905.8
11.175	PP	1328.5	5123.0
11.409	PP	2005.6	5379.6
11.470	PP	1172.8	3660.6
11.637	PP	1934.1	6595.2
11.804	PP	504.7	1551.4
12.087	PP	389.0	1067.4
12.165	PP	296.5	888.9
12.271	PP	1704.0	7113.7
12.638	PP	280.5	893.7
12.772	PB	1819.7	5798.7
13.189	BP	58.7	273.4
13.328	PP	162.4	758.9
13.467	PB	387.5	1301.4
13.678	SP	660.7	1826.1

AF100313
Kwt

13.739	PB	1014.7	3454.7
14.101	BP	1490.5	4836.6
14.234	PP	1066.0	4586.7
14.474	PB	3570.3	13736.8
14.846	BP	256.2	916.4
15.080	PP	603.2	2291.8
15.302	PP	4834.9	19187.1
15.436	PB	1413.7	5708.5
15.792	BP	5752.9	23342.1
15.887	SS	343.7	934.5
16.087	SV	81.3	268.5
16.187	VS	437.5	1842.1
16.421	PP	3809.3	18969.4
16.526	SS	164.3	460.3
16.799	PB	522.9	2355.7
17.049	BP	102.6	395.9
17.183	PP	2519.4	11341.8
17.433	PB	1087.7	4707.9
17.722	BB	365.5	1778.4
17.978	BB	317.5	1349.0
18.390	BB	1836.1	8671.8
18.690	BP	1027.8	5097.3
18.951	PP	612.0	5031.2
19.341	PB	163.0	914.1
19.625	BB	357.7	1862.2
20.036	BB	3937.0	21941.6
20.203	SS	127.1	506.5
20.476	BB	84.5	416.8
20.937	BB	2916.3	17518.1
21.560	BB	10363.1	57288.5
22.011	BP	1898.2	11228.6
22.295	SS	90.8	352.3
22.456	PP	1236.9	5000.3
22.689	PB	1449.7	6411.9
23.257	BB	142.5	479.4
23.763	BB	738.1	2396.5
23.991	BB	62.1	210.0
24.453	BB	1769.3	6089.3
24.636	SS	113.8	370.9
25.827	BD	412.5	1499.6
		---	---
TOTAL		113664.6	549123.1

Sample: AR1221 0.25 ng Channel: ECD FSC RTx-5 Filename: AF100314
Acquired: 03-OCT-88 22:18 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



Dibutyl Chlorendate / 0.10 ng

000134

MAXIMA 820 CUSTOM REPORT

Printed: 3-OCT-1988 22:52:59

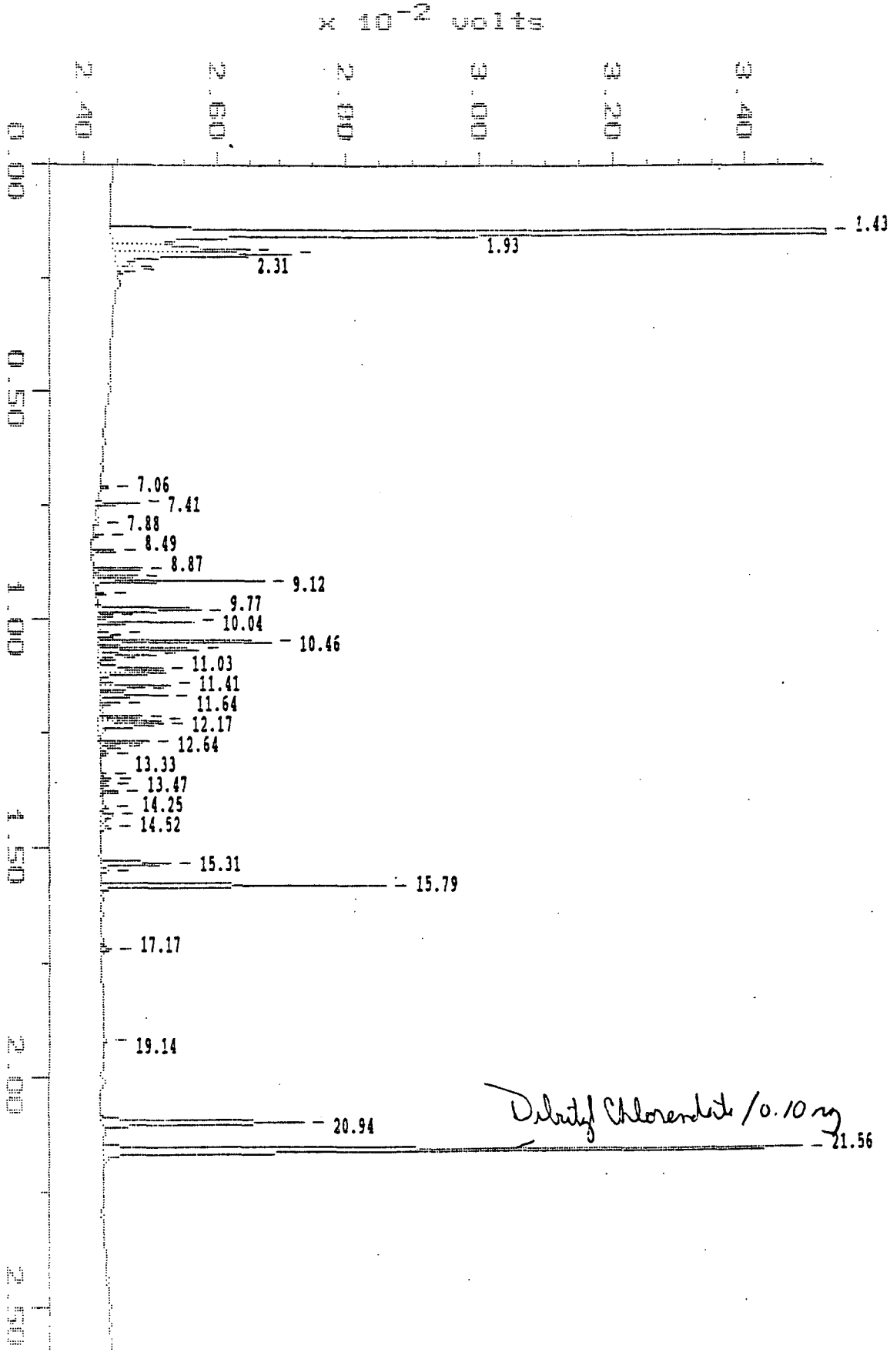
SAMPLE: AR1221 0.25 ng
#14 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 3-OCT-1988 22:18
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AF100314
Index: 14
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BB	6298.5	53776.2
1.724	SV	180.6	1411.6
1.930	VS	367.4	1406.0
2.308	BB	106.9	445.6
7.059	BB	173.8	400.2
7.415	BB	1219.9	4002.7
8.138	BB	258.3	763.6
8.488	BB	531.8	1473.7
8.867	BP	1250.6	3114.2
9.028	PP	979.2	2397.2
9.117	PB	3364.7	9036.2
9.784	BP	438.1	2637.5
10.040	PB	176.9	414.9
10.346	BP	76.4	401.5
10.463	PP	254.2	863.5
10.624	PP	173.6	454.7
10.752	PB	72.1	160.9
11.069	BB	241.5	2187.3
12.087	BB	212.7	497.6
12.304	BB	576.3	1602.3
12.772	BB	67.2	184.8
14.246	BP	184.7	1590.2
14.468	PB	100.6	494.4
15.308	BB	1067.3	5281.3
15.792	BB	4345.1	15559.8
16.098	BB	45.7	171.5
17.171	BB	117.2	492.5
19.124	BB	61.5	1955.7
20.937	BB	2944.1	16757.7
21.560	BB	10304.5	55672.6
TOTAL		36191.2	185607.9

Sample: AR1232 0.25 ng Channel: ECD FSC RTx-5 Filename: AF100315
Acquired: 03-OCT-88 22:51 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



Dibutyl Chlorendate / 0.10 ng

000136

MAXIMA 820 CUSTOM REPORT

Printed: 3-OCT-1988 23:26:04

SAMPLE: AR1232 0.25 ng
#15 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 3-OCT-1988 22:51
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AF100315
Index: 15
Injection Volume: 1.0
Dilution: 1.000

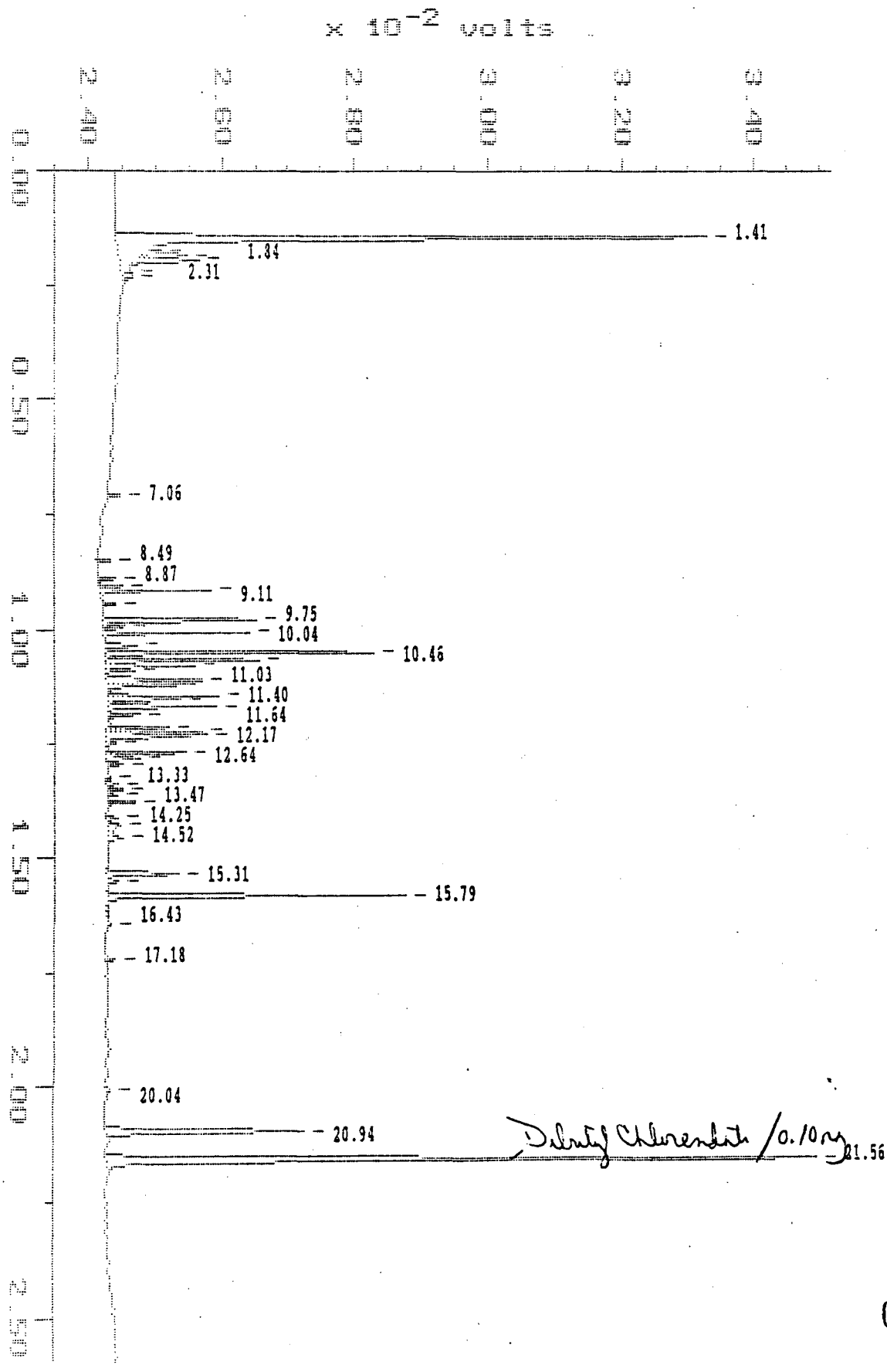
DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.430	BP	15187.1	126733.9
1.847	PP	2070.3	12602.9
1.930	PB	2690.7	16616.7
2.219	SV	131.5	710.8
2.308	VS	212.1	790.6
7.059	BB	96.9	224.3
7.415	BB	665.7	2241.8
7.882	BB	69.6	258.5
8.138	BB	154.9	496.9
8.488	BB	353.0	960.3
8.867	BP	725.5	1865.0
9.028	PP	632.3	1551.4
9.117	PB	2584.6	6928.6
9.417	BB	131.2	312.7
9.773	BP	1563.2	7199.5
9.907	SS	182.5	423.1
10.040	PP	1446.0	3637.9
10.307	PP	304.1	1232.0
10.463	PP	2597.3	8518.8
10.624	PP	1515.4	4129.7
10.752	PP	836.8	2181.3
10.847	PP	251.5	669.5
11.030	PP	963.3	5796.1
11.175	PB	673.1	2482.7
11.409	BP	1052.7	2757.4
11.470	PP	662.1	2099.4
11.637	PP	998.3	3392.3
11.804	PP	298.0	907.1
12.093	PP	645.6	1777.0
12.165	PP	912.0	2611.2
12.254	PP	947.2	5265.0
12.638	PP	735.2	2459.5
12.766	PP	300.9	1081.0
12.905	PB	129.5	409.8

AF100315

13.328	BP	91.9	315.7
13.467	PP	134.1	458.7
13.589	PP	86.8	301.7
13.745	PB	246.8	834.7
14.090	BP	82.7	278.8
14.251	PP	189.4	1379.7
14.524	PB	131.8	680.1
15.308	BB	1034.9	5476.5
15.469	SS	66.3	258.1
15.792	BB	4292.7	15393.0
17.171	BB	132.6	574.4
19.135	BB	45.4	189.1
20.937	BB	3003.6	17339.4
21.560	BB	10415.6	56526.9
		---	---
TOTAL		62674.6	331331.7

Sample: AR1241 3.2 mg Channel: ECD FSC RTx-5 Filename: AF100316
Acquired: 03-OCT-88 23:24 Method: C:\MAR\850\AF1003MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



Dibutyl Chlorendate /0.10 ng

000139

MAXIMA 820 CUSTOM REPORT

Printed: 3-OCT-1988 23:59:08

SAMPLE: AR1242 0.2 ng
#16 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 3-OCT-1988 23:24
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AF100316
Index: 16
Injection Volume: 1.0
Dilution: 1.000

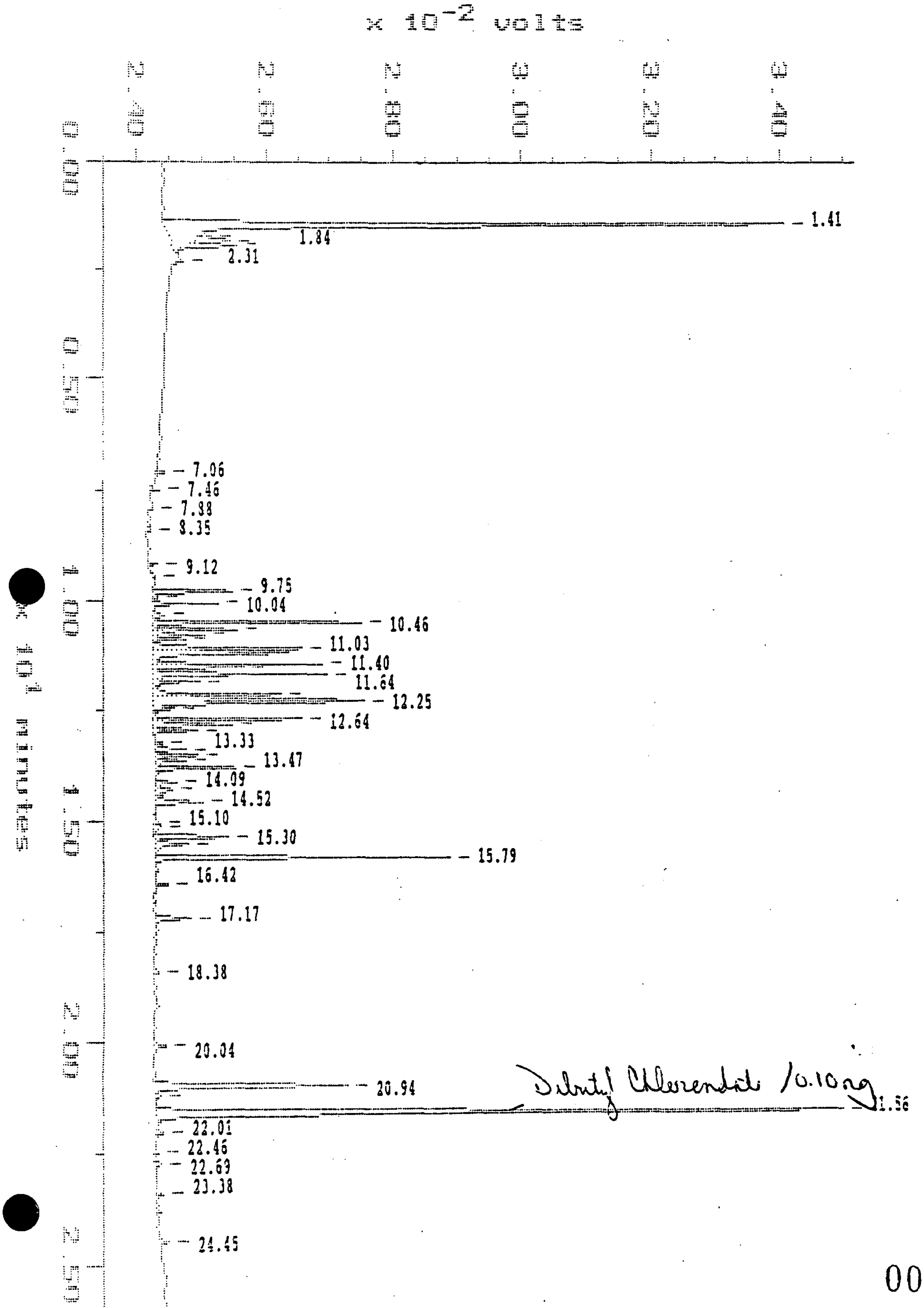
DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BB	8850.0	69787.3
1.724	SV	156.5	539.6
1.841	VV	667.7	3803.4
1.930	VS	894.4	3949.2
2.197	SV	56.7	328.5
2.308	VS	119.4	468.7
7.059	BB	182.6	444.4
8.488	BB	198.1	507.8
8.867	BP	249.1	701.1
9.028	PP	336.5	833.0
9.111	PB	1639.0	4347.6
9.417	BB	209.6	557.5
9.746	BP	2292.2	9945.8
9.907	SS	270.6	631.1
10.040	PP	2178.3	5563.3
10.307	PP	466.8	1826.3
10.463	PP	4021.3	13187.9
10.624	PP	2305.0	6245.9
10.752	PP	1308.3	3441.5
10.841	PP	414.0	1088.3
11.030	PP	1419.8	8217.9
11.175	PP	1032.8	3906.9
11.403	PP	1657.7	4510.6
11.475	PP	1079.1	3502.1
11.637	PP	1647.7	5728.2
11.804	PP	471.8	1351.6
11.893	SS	54.5	115.3
12.093	PP	935.3	2525.5
12.165	PP	1436.5	4261.8
12.254	PP	1502.8	7163.5
12.410	SS	86.2	339.4
12.638	PP	1166.3	3803.2
12.766	PP	493.8	1758.5
12.905	P3	218.3	645.8

AFIC031

13.189	BP	53.0	169.3
13.328	PP	177.0	602.1
13.467	PP	242.0	831.7
13.589	PP	139.7	412.4
13.739	PB	410.8	1330.5
14.090	BP	145.4	484.0
14.246	PP	181.0	1403.6
14.524	PB	225.1	1138.7
15.308	BB	1046.2	5464.8
15.469	SS	124.7	476.6
15.792	BB	4456.4	16066.4
16.426	BB	48.5	255.5
17.177	BB	134.2	568.8
20.036	BB	61.4	262.8
20.937	BB	2942.9	16763.9
21.560	BB	10594.0	57083.5
		---	---
TOTAL		61001.3	279349.0

Sample: AR1248 0.2 ng Channel: ECD FSC RTx-5 Filename: AF100317
Acquired: 03-OCT-93 23:57 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



MAXIMA 820 CUSTOM REPORT

Printed: 4-OCT-1988 0:32:13

SAMPLE: AR1248 0.2 ng
#17 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 3-OCT-1988 23:57
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AF100317
Index: 17
Injection Volume: 1.0
Dilution: 1.000

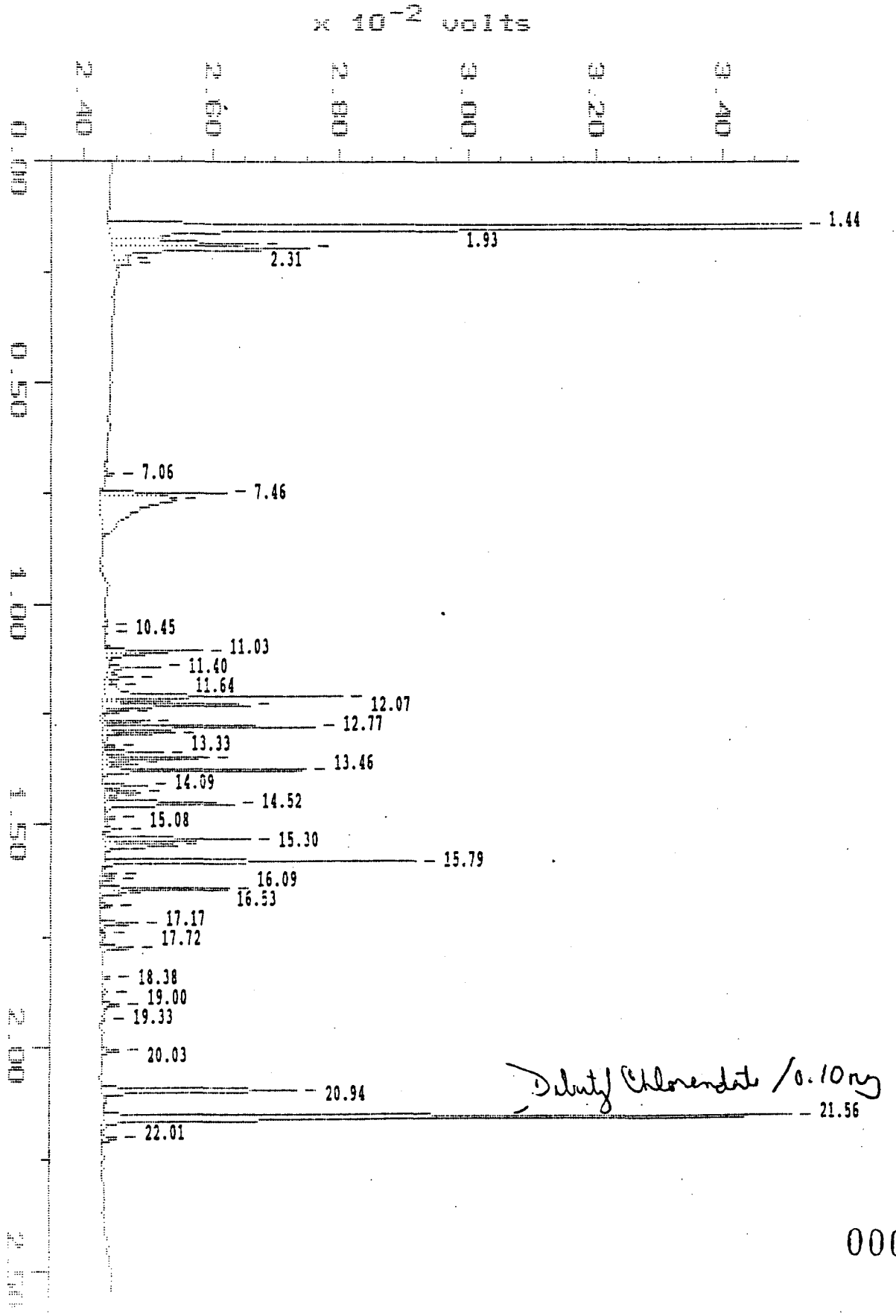
DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BB	9630.9	71937.6
1.730	SV	188.2	616.7
1.841	VV	564.1	3288.6
1.930	VS	763.7	3140.6
2.314	BB	111.1	358.1
7.059	BB	125.6	296.7
7.465	BB	136.9	348.5
7.882	BB	44.8	227.3
8.355	BB	69.7	394.9
9.117	BB	128.2	487.1
9.417	BB	50.1	196.2
9.746	BP	1234.3	4733.5
9.907	SS	59.7	120.8
10.040	PB	979.8	2480.3
10.307	BP	162.1	593.1
10.463	PP	3257.5	10974.8
10.630	PP	1318.0	3918.3
10.752	PP	789.4	2374.2
10.847	PP	514.0	1511.3
11.030	PP	2325.5	13054.8
11.170	PP	1756.4	7270.3
11.403	PP	2635.0	6964.9
11.470	PP	1401.7	4374.7
11.637	PP	2707.2	9560.2
11.804	PP	742.9	2708.9
12.093	PP	1991.7	6238.5
12.254	PP	3261.6	21795.4
12.410	SS	224.2	696.5
12.638	PP	2310.4	7434.2
12.772	PP	1201.9	4301.9
12.905	PB	687.1	2185.1
13.189	BP	93.3	280.7
13.328	PP	470.0	1726.2
13.467	PP	629.4	2141.1

13.589	PP	459.2	1445.9
13.745	PB	1215.9	4417.3
14.090	BP	343.4	1125.2
14.246	PP	252.5	1873.1
14.524	PB	741.0	3207.2
15.002	BP	74.7	337.2
15.097	PP	96.3	408.7
15.302	PP	1125.2	5507.5
15.475	PB	512.4	2440.9
15.792	BB	4548.0	16164.7
16.421	BB	174.6	801.8
17.171	BB	524.2	2492.1
18.384	BB	60.0	240.7
20.036	BB	160.8	804.6
20.937	BP	2940.4	16616.7
21.160	PB	51.6	242.5
21.560	BB	10619.2	57413.8
22.005	BB	89.5	433.7
22.461	BB	48.5	169.0
22.689	BB	64.3	225.4
23.379	BB	90.4	423.4
24.453	BB	139.1	452.8
		---	---
TOTAL		66897.9	315981.0

Sample: AR1254 0.15 ng Channel: ECD FSC RTx-5 Filename: AF100318
Acquired: 04-OCT-88 0:30 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.

KAT



Dibutyl Chlorendate / 0.10 ng

000145

MAXIMA 820 CUSTOM REPORT

Printed: 4-OCT-1988 1:05:12

SAMPLE: AR1254 0.15 ng
#18 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 4-OCT-1988 0:30
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AF100318
Index: 18
Injection Volume: 1.0
Dilution: 1.000

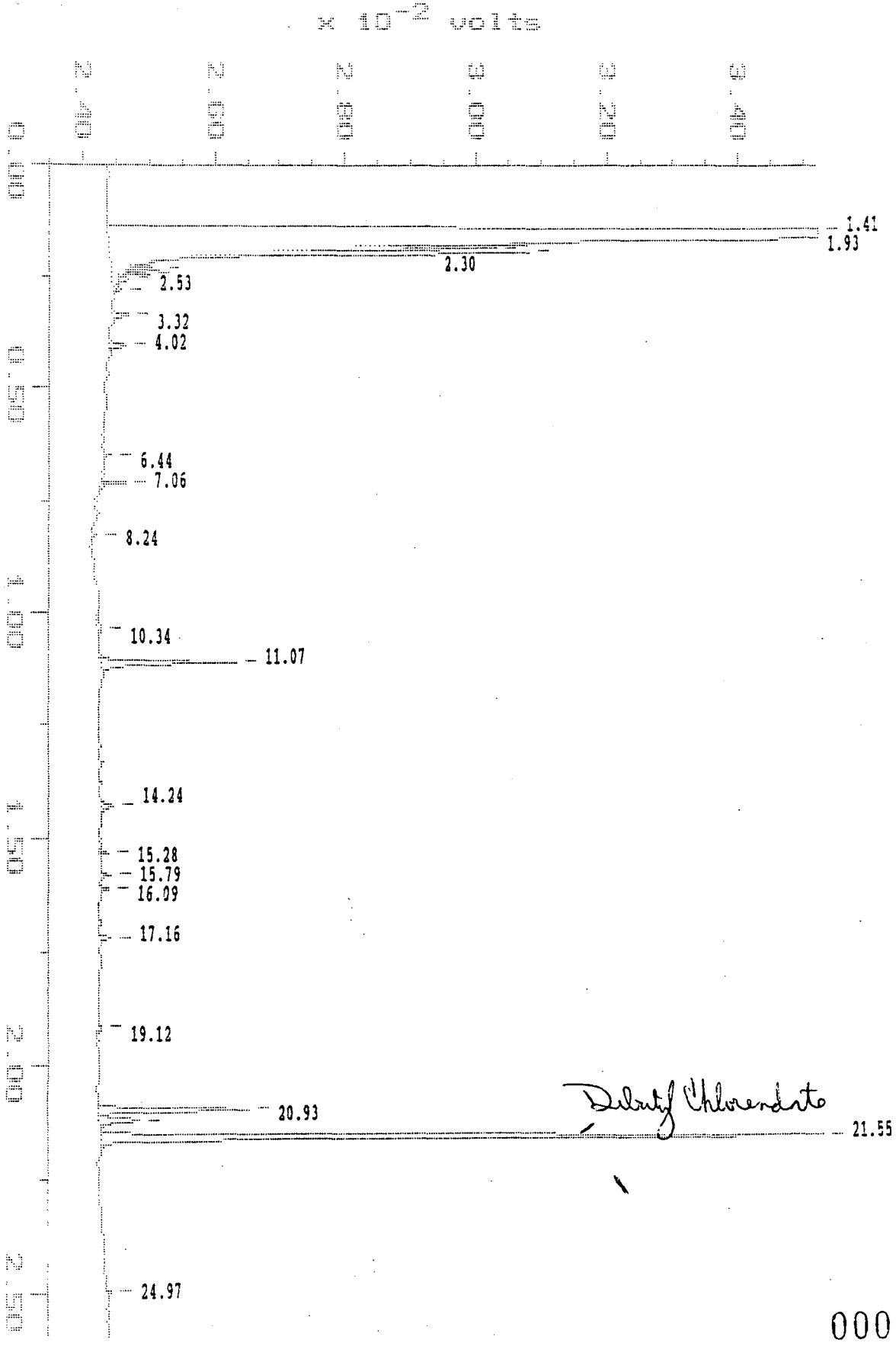
DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.435	BP	13504.1	115113.9
1.847	PP	2313.9	14159.4
1.930	PB	3068.6	18543.1
2.214	SV	89.0	449.4
2.308	VS	173.6	661.2
7.059	BB	128.2	425.6
7.465	BP	1961.4	6800.4
7.582	PB	1173.5	27212.1
10.446	BB	62.6	409.4
10.636	BB	51.4	120.3
11.030	BP	1489.3	4747.9
11.103	PB	632.6	2451.5
11.403	BP	788.0	2705.8
11.637	PP	404.1	1685.1
11.804	PP	182.2	1033.9
12.071	PP	3698.6	13563.6
12.165	PP	1026.4	2996.9
12.265	PP	2303.1	8794.0
12.410	PP	389.1	1322.4
12.638	PP	719.3	2251.5
12.766	PP	3324.5	10655.3
12.905	PP	1135.2	4015.2
13.189	PP	198.6	650.4
13.328	PP	946.4	3244.7
13.461	PP	1635.2	5379.6
13.589	PP	524.0	1643.8
13.739	PB	3170.6	10993.2
14.090	BP	650.5	2122.6
14.240	PP	541.9	2306.8
14.357	PP	205.4	730.1
14.524	PB	2005.5	11190.1
14.841	BP	157.0	631.3
15.080	PP	252.5	986.1
15.302	PP	2268.6	9741.6

15.453	PB	1122.1	6277.8
15.792	BP	4816.5	17186.5
16.087	SV	218.7	849.1
16.192	VS	190.5	851.7
16.421	PB	1993.4	9724.8
16.526	SS	128.0	363.2
16.788	BB	178.0	768.7
17.171	BB	554.0	2560.9
17.427	BB	76.4	304.5
17.717	BB	493.0	2286.8
18.384	BB	114.7	504.3
18.696	BB	79.2	405.6
18.996	BB	249.9	1334.5
19.330	BB	54.1	258.7
20.031	BB	247.5	1270.0
20.937	BB	3023.0	17688.5
21.560	BB	10657.8	57967.7
22.005	BB	220.2	1217.0
		---	---
TOTAL		75591.8	411558.8

PBLK 2T WO

Sample: B092088W6P.:1 Channel: ECD FSC RTx-5 Filename: AF100341
Acquired: 04-OCT-88 13:13 Method: C:\MAX\850\AF1001MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



Dibutyl Chlorendate

000143

MAXIMA 820 CUSTOM REPORT

Printed: 4-OCT-1988 13:47:08

SAMPLE: B092088W6P1:1
#41 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 4-OCT-1988 13:13
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

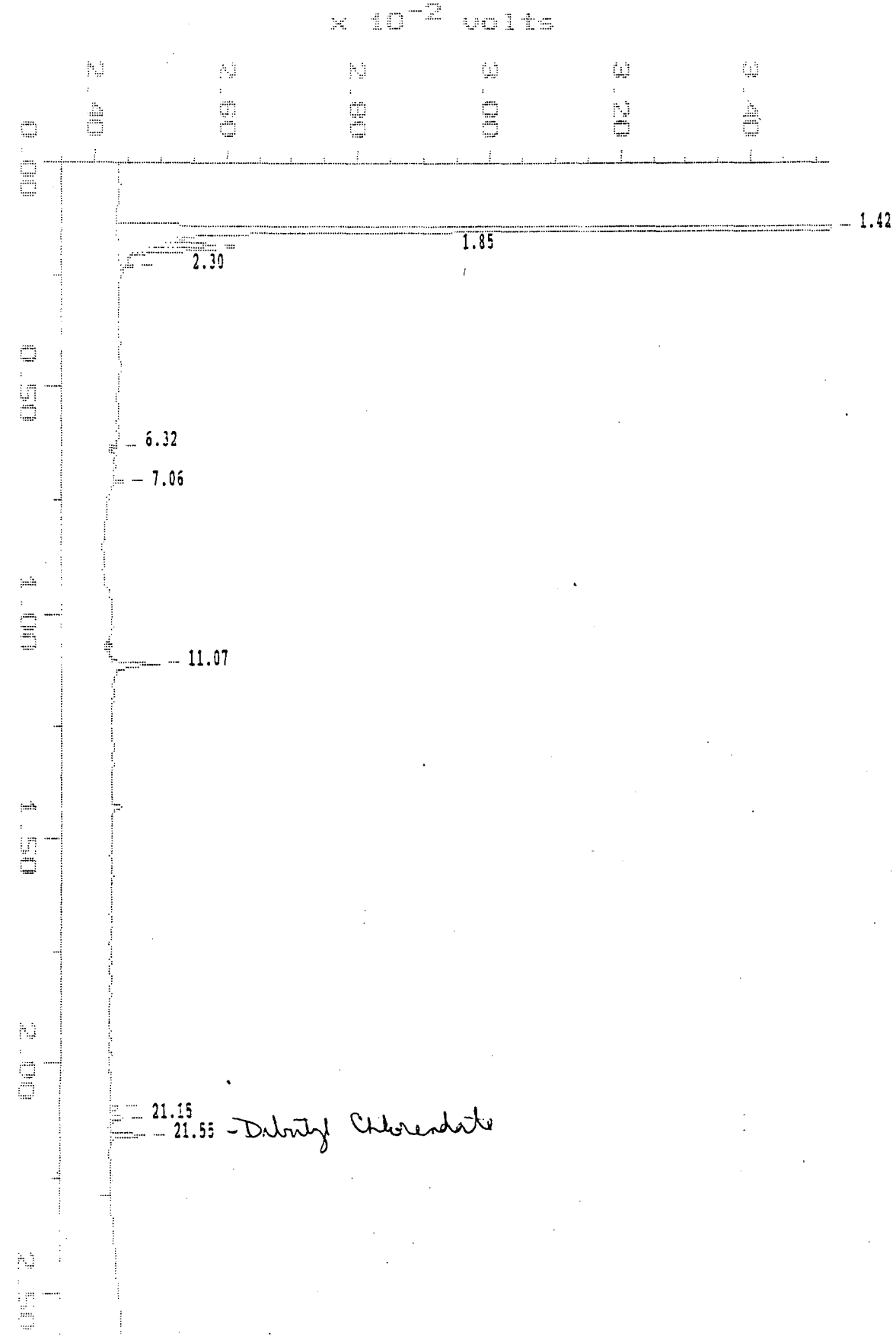
Type: UNKN
Instrument: HP850
Filename: AP100341
Index: 41
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BB	330339.4	2329165.9
1.847	SV	2178.8	6749.2
1.930	VS	3663.2	14144.7
2.303	SS	475.5	1055.7
2.420	SV	404.0	1497.5
2.525	VV	122.8	676.7
2.770	VS	71.3	336.7
3.315	BB	263.5	1512.3
4.016	BB	244.9	1622.9
6.436	BB	109.8	275.1
7.059	BB	379.4	1041.6
8.238	BB	77.7	229.8
10.341	BB	62.3	448.5
11.069	BB	2068.6	9830.0
14.240	BB	174.3	990.5
15.280	BB	117.1	344.0
15.786	BB	167.8	573.1
16.092	BB	119.7	516.1
17.160	BB	152.7	657.9
19.118	BB	49.8	234.9
20.932	BP	2254.8	12769.9
21.160	PB	577.3	3917.2
21.549	BB	11461.6	61769.1
24.970	BB	68.8	302.0
TOTAL		355605.2	2450661.1

PBLK 51

Sample: B09208851 1:5 Channel: ECD FSC RTx-5 Filename: AF100342
Acquired: 04-OCT-88 13:46 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : ~~1.000~~ 5.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



MAXIMA 820 CUSTOM REPORT

Printed: 4-OCT-1988 14:20:00

PBLK

SAMPLE: B092088S1 1:5
#42 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 4-OCT-1988 13:46
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AF100342
Index: 42
Injection Volume: 1.0
Dilution: ~~1.000~~ 5.000

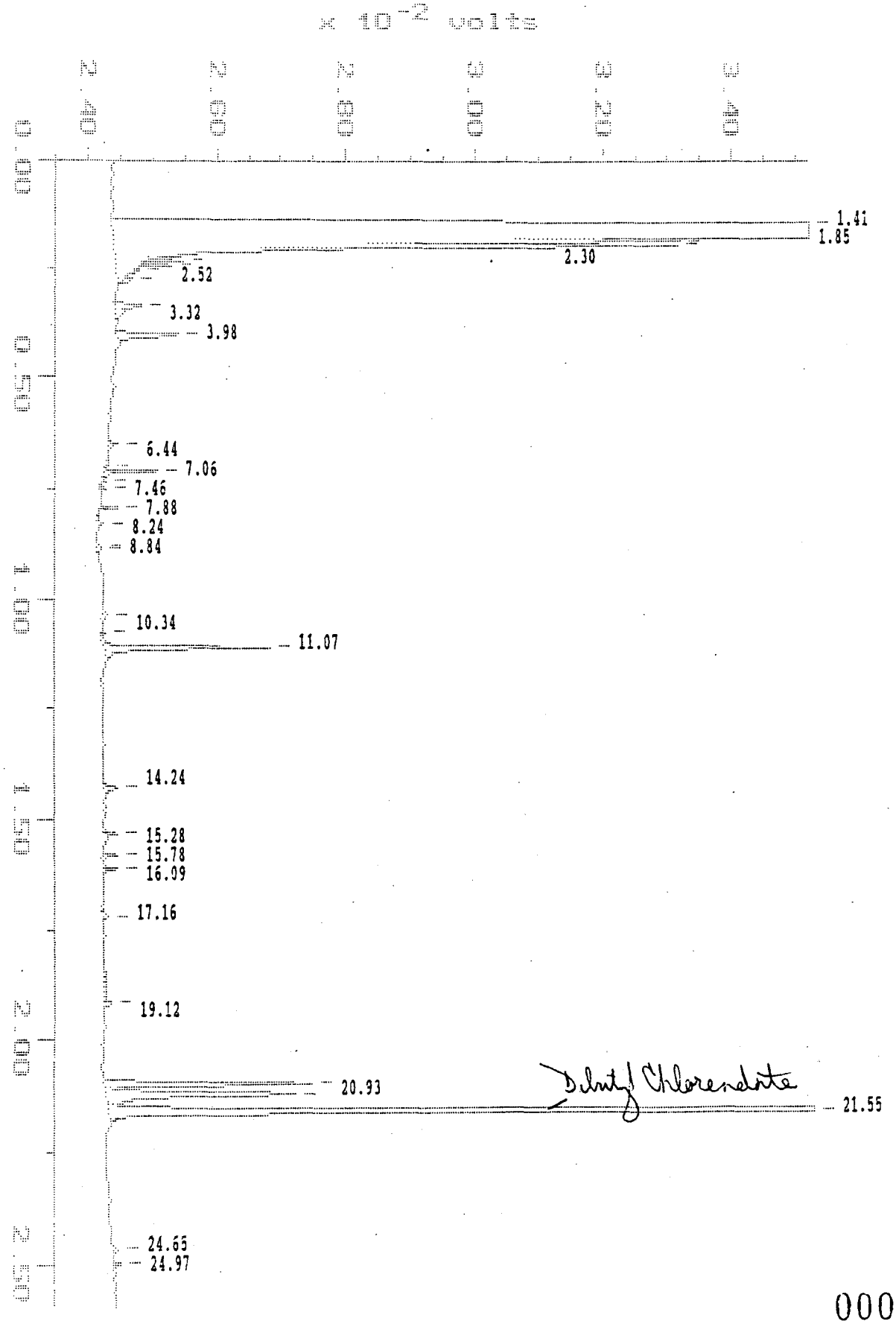
DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.424	BB	14636.9	135765.1
1.847	SV	830.5	5008.1
1.925	VS	976.9	4166.6
2.297	SS	137.4	494.3
6.319	BB	112.8	329.9
7.059	BB	161.1	305.0
11.069	BB	729.9	4446.7
20.926	BP	123.4	2043.5
21.154	PB	174.8	1111.3
21.549	BB	512.0	2812.1
TOTAL		18395.7	156482.7

Field Blank

Sample: 38886 1:1 Channel: ECD FSC RTx-5 Filename: AF100343
Acquired: 04-OCT-88 14:19 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.

Kat



Dibutyl Chlorendate

000152

MAXIMA 820 CUSTOM REPORT

Printed: 4-OCT-1988 14:53:16

SAMPLE: 88886 1:1
#43 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 4-OCT-1988 14:19
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

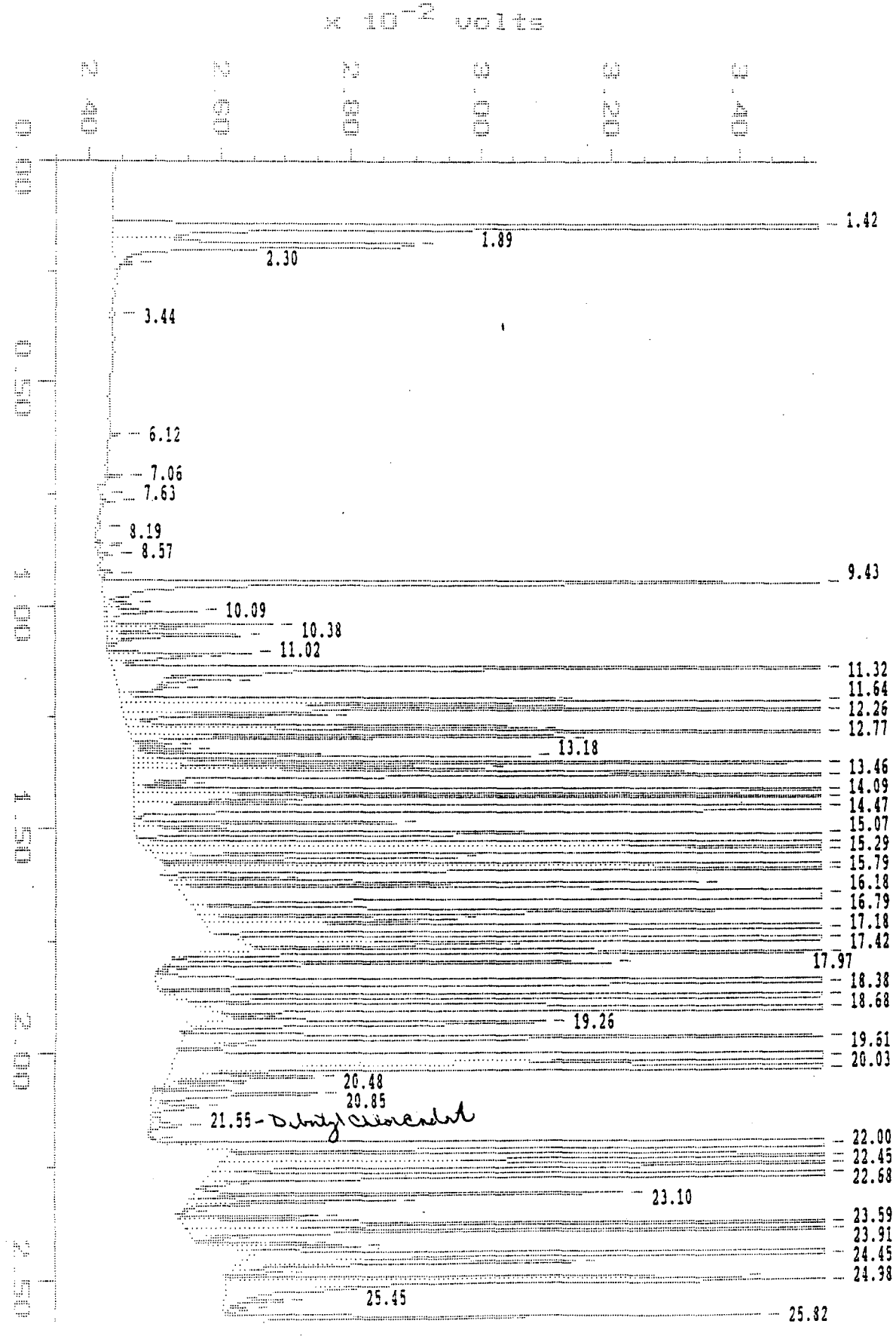
Type: UNKN
Instrument: HP950
Filename: AF100343
Index: 43
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BB	895478.0	5835304.8
1.847	SS	2517.2	6903.3
1.930	SS	4526.3	19272.9
2.303	SS	589.7	1274.2
2.420	SV	510.7	2013.2
2.520	VS	109.1	482.8
2.715	SS	146.9	804.0
3.321	BB	424.7	3811.1
3.983	BB	948.5	6408.1
6.436	BB	138.9	414.5
6.925	BP	56.4	326.6
7.059	PP	839.4	2939.9
7.281	SS	49.4	152.7
7.459	PB	101.1	311.2
7.877	BB	285.9	818.2
8.238	BB	105.1	442.0
8.772	BP	51.3	155.7
8.839	PB	57.5	173.4
10.335	BB	82.4	559.3
10.741	BB	61.6	122.1
11.069	BB	2555.3	12061.5
14.240	BB	181.6	1108.4
15.280	BB	170.1	611.8
15.781	BB	240.2	912.4
16.087	BB	205.4	941.2
17.160	BB	78.9	446.3
19.118	BB	96.3	1624.7
20.926	BP	3196.7	18136.9
21.154	PP	2919.6	23285.4
21.549	PB	18085.4	97935.3
24.647	BB	67.4	285.2
24.970	BB	104.8	382.9
		934981.5	6040421.9

7262

Sample: 88891 1:5 Channel: ECD PSC RTx-5 Filename: AP1003#4
Acquired: 04-OCT-88 14:52 Method: C:\MAH\850\AP1003MA Operator: KAT
Dilution: 1 : ~~1.000~~ 5.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: PSC RTx-5, ID #10227-846.



000154

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 9:09:52

7262

SAMPLE: 88891 1:5
#44 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 4-OCT-1988 14:52
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AF100344
Index: Disk
Injection Volume: 1.0 KAT
Dilution: ~~1.000~~ 5.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.424	BP	15336.9	128187.3
1.886	PB	4589.6	47209.4
2.297	SS	140.3	388.5
3.443	BB	67.0	372.7
6.119	BB	140.3	422.8
7.059	BB	233.5	620.5
7.459	BP	70.7	159.1
7.626	PB	211.2	638.1
8.188	BB	58.5	428.9
8.566	BP	96.4	343.4
8.666	PP	62.2	333.1
8.828	PB	194.4	692.3
9.223	BP	179.8	978.4
9.428	PP	21656.0	79233.7
9.924	SV	355.8	1884.3
10.090	VV	1356.1	6594.0
10.380	VV	2532.0	8526.5
10.480	VV	1055.0	4784.3
10.624	VV	2023.9	7615.9
10.752	VS	380.6	1598.7
11.025	PP	2145.1	6540.0
11.103	PP	1396.4	6741.5
11.320	PP	21383.6	103049.2
11.637	SV	1036.0	3660.3
11.804	VS	359.3	783.3
12.060	PP	12476.3	41797.6
12.260	PP	16118.2	80267.8
12.404	PP	3070.4	12147.4
12.671	PP	6236.8	32085.1
12.766	PP	26719.3	81794.6
12.899	PP	6630.5	20189.6
13.072	PP	601.8	2028.3
13.183	PP	861.2	2367.6
13.322	PP	6068.5	20557.1

AF100344 14d

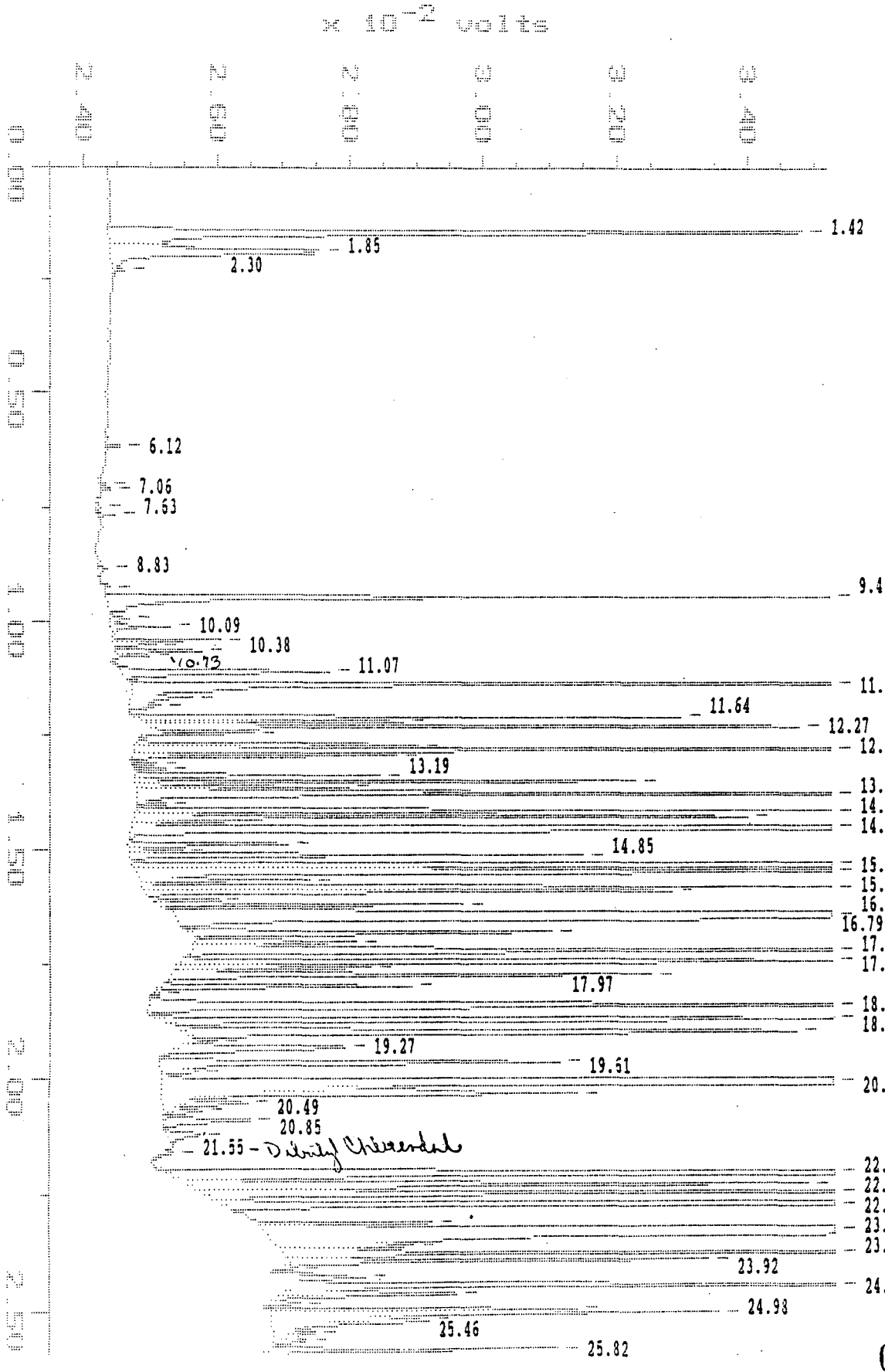
13.461	PP	12726.7	40370.3
13.584	PP	5338.2	17842.3
13.734	PP	31511.3	130779.8
13.951	SS	518.0	1461.5
14.090	PP	24500.4	79746.8
14.229	PP	14584.9	61671.4
14.468	PP	51820.2	262439.2
14.841	PP	3967.4	16315.9
15.074	PP	11345.7	44974.5
15.291	PP	68239.2	251709.8
15.442	PP	29845.5	158024.7
15.625	PB	4587.5	15227.7
15.786	BP	29493.5	101987.7
15.881	PB	13138.9	53929.1
16.076	BP	1670.1	4989.5
16.181	PP	8018.6	28956.9
16.409	PP	86656.0	511464.4
16.788	PP	9749.2	56260.2
16.993	PP	3886.9	23917.5
17.177	PB	38286.2	176869.4
17.422	BB	22378.9	99951.1
17.550	SS	2573.7	8998.5
17.711	BB	12479.3	56225.2
17.967	BP	6773.8	27846.1
18.117	SS	112.7	390.4
18.379	PP	38648.8	192292.9
18.684	PP	19067.3	92431.8
18.951	PB	16264.9	110267.0
19.141	BB	293.1	719.6
19.263	BB	5039.2	37690.7
19.608	BP	10295.4	62881.7
19.786	SS	372.4	1454.9
20.025	PB	100343.8	584382.2
20.281	SS	11515.4	62914.4
20.476	SV	1758.0	9111.6
20.654	VV	860.0	3736.6
20.848	VV	2504.8	17706.2
21.149	VV	726.0	5510.0
21.555	VS	472.9	3891.6
21.833	BP	34.9	79.2
22.000	PB	51842.5	298784.3
22.256	BP	14642.0	85467.8
22.450	PP	26206.6	116265.6
22.684	PP	33562.8	151578.9
22.873	SS	174.3	512.5
23.096	PP	6551.3	21646.8
23.251	PB	3184.7	13014.6
23.324	SS	453.6	1075.2
23.479	SS	109.2	279.0
23.591	BP	2102.5	6905.1

AF 100344

23.757	PP	18853.7	73004.6
23.913	PB	15127.2	53220.9
24.075	SS	381.1	1056.8
24.202	BP	1426.6	3559.5
24.264	PB	1952.4	7796.7
24.447	BB	43457.4	164276.8
24.636	SS	3957.5	20768.7
24.831	SS	659.1	2635.4
24.981	BP	7879.7	25736.8
25.048	PB	10237.8	67117.7
25.193	SS	425.7	1888.0
25.454	SS	633.4	2434.0
25.632	SS	312.4	1500.2
25.821	BD	8170.5	28795.8
		---	---
TOTAL		1110547.6	5271762.7

7262 MS

Sample: M88891 1:10 Channel: ECD FSC RTx-5 Filename: AF100346
Acquired: 04-OCT-88 15:25 Method: C:\MAK\850\AF1003MA Operator: KAT
Dilution: 1 : ~~1.000~~ 10.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000158

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 9:21:12

7262 m5

SAMPLE: M88891 1:10
#45 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 4-OCT-1988 15:25
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AF100345
Index: Disk
Injection Volume: 1.0
Dilution: ~~1.000~~ 10.000 KAT

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.418	BP	10443.0	88324.3
1.852	PB	3131.7	33910.3
2.303	SS	129.3	357.0
6.124	BB	202.7	992.3
6.936	BP	90.0	427.1
7.064	PB	149.7	362.6
7.465	BP	63.1	382.3
7.632	PB	241.3	687.3
8.828	BB	142.0	574.1
9.228	BB	108.4	391.2
9.428	BP	14747.7	52956.5
9.929	PP	287.3	1416.2
10.090	PP	887.4	3833.8
10.380	PP	1637.2	5373.4
10.485	PP	616.1	2326.9
10.624	PP	1282.2	4244.6
10.730	PP	530.5	1698.5
11.069	PB	3087.3	17491.6
11.325	BB	14761.8	65223.7
11.637	SS	579.5	1955.5
11.804	SS	220.1	491.4
12.065	BP	8163.0	26851.7
12.160	PP	3905.1	11292.5
12.265	PB	9735.0	33799.6
12.410	BP	1084.6	1936.4
12.677	PP	4199.6	20713.5
12.766	PP	16615.6	50860.0
12.905	PP	3950.6	11927.1
13.077	PP	363.6	1123.2
13.189	PP	480.3	1177.6
13.328	PP	3671.1	12432.7
13.461	PP	7500.5	23522.5
13.589	PP	3171.0	10075.1
13.739	PP	18633.2	75440.4

AF100345

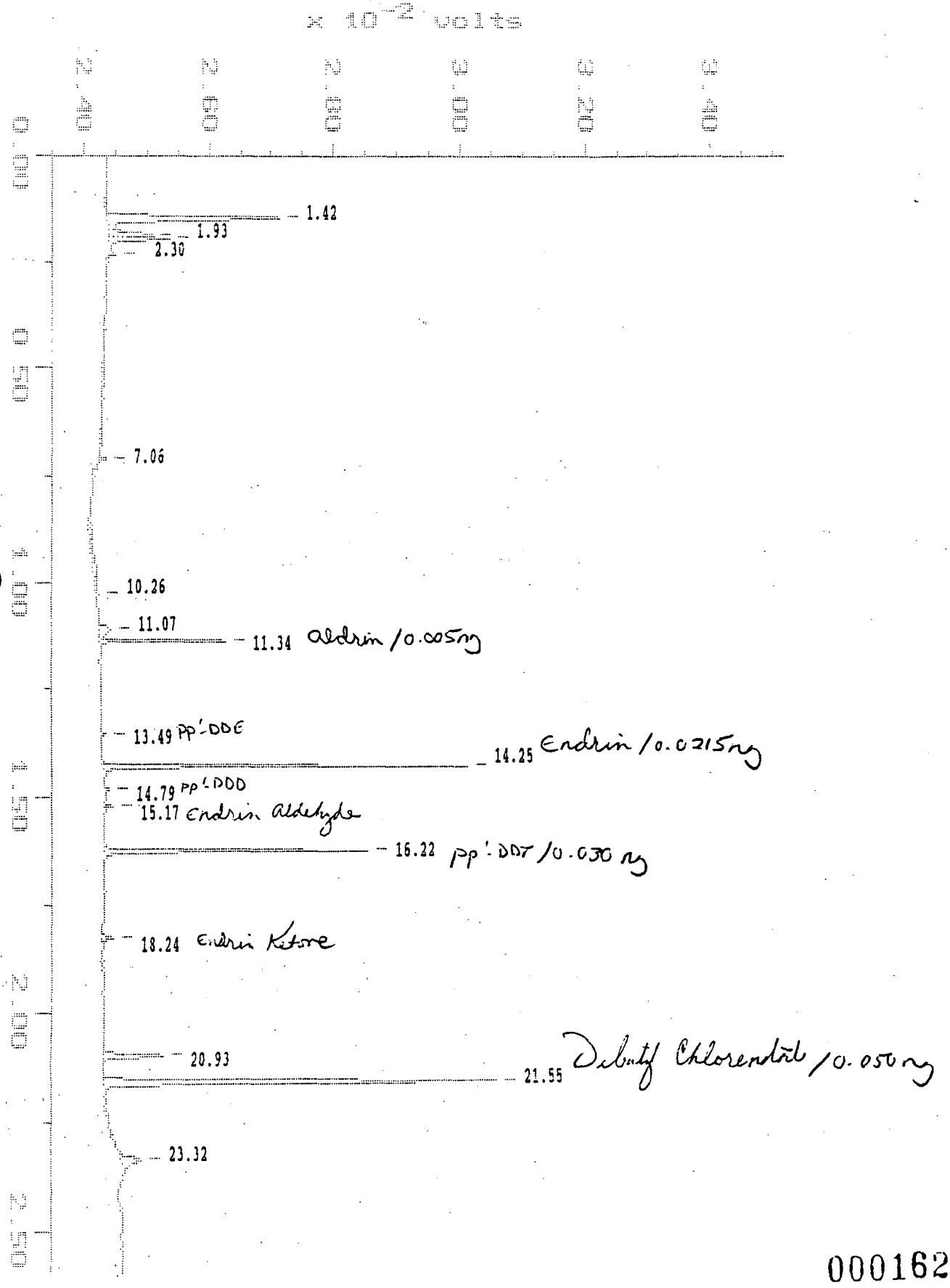
13.956	SS	365.0	1035.1
14.095	PP	14803.9	47879.5
14.234	PP	9194.0	36394.5
14.357	SS	837.7	2053.4
14.468	PP	32467.6	162788.0
14.846	PP	2372.3	9814.0
14.985	PP	797.7	2626.8
15.080	PP	6789.3	24056.1
15.297	PP	41983.1	154802.7
15.442	PP	17701.6	96670.5
15.631	SS	2109.9	6526.4
15.792	PP	16822.0	58327.0
15.887	PP	7873.9	31964.8
16.081	PP	987.8	2986.4
16.187	PB	4551.9	16659.8
16.415	BP	51645.4	299689.1
16.793	PB	5450.2	28507.3
16.999	BP	2422.3	14257.4
17.183	PB	23148.8	104348.0
17.427	BP	13298.4	55788.1
17.561	PP	2929.7	14320.3
17.717	PB	7182.0	35052.8
17.972	BP	3768.0	15846.8
18.117	SS	72.6	247.0
18.384	PP	22578.4	110515.6
18.690	PB	11178.7	53085.1
18.957	BB	9126.5	61562.1
19.146	BP	428.8	1568.6
19.274	PP	2498.2	20469.4
19.613	PP	6009.3	37862.2
19.791	SS	171.7	667.9
20.036	PP	56856.3	329280.0
20.286	SS	4631.4	27048.4
20.487	SV	955.1	5188.8
20.659	VS	450.6	2148.8
20.854	SS	1285.9	8352.7
21.160	PB	503.9	4003.8
21.555	BB	150.6	783.8
22.005	BP	28326.2	164137.7
22.261	PP	9215.2	56782.7
22.456	PP	14840.0	63463.3
22.689	PB	18294.9	81613.9
23.101	BP	2582.7	7297.4
23.268	PP	28927.1	259738.4
23.591	SS	534.1	1231.5
23.763	PP	10265.7	41829.5
23.919	PP	6250.5	20376.3
24.075	SS	168.0	472.7
24.269	PB	836.8	2560.1
24.447	BB	23358.6	85698.9

AF100345

KJ

24.642	SS	2094.5	10290.6
24.831	SS	413.9	1683.7
24.981	BP	4571.1	13956.1
25.048	PB	6676.1	52477.6
25.198	SS	881.0	4665.6
25.460	SV	343.8	1337.7
25.626	VS	367.9	2740.0
25.821	BB	4321.8	15560.2
		---	---
TOTAL		684481.5	3337666.3

Sample: EVAL B Channel: ECD FSC RTx-5 Filename: AF100347
Acquired: 04-OCT-88 17:04 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000162

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 7:01:30

SAMPLE: EVAL B
#47 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 4-OCT-1988 17:04
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

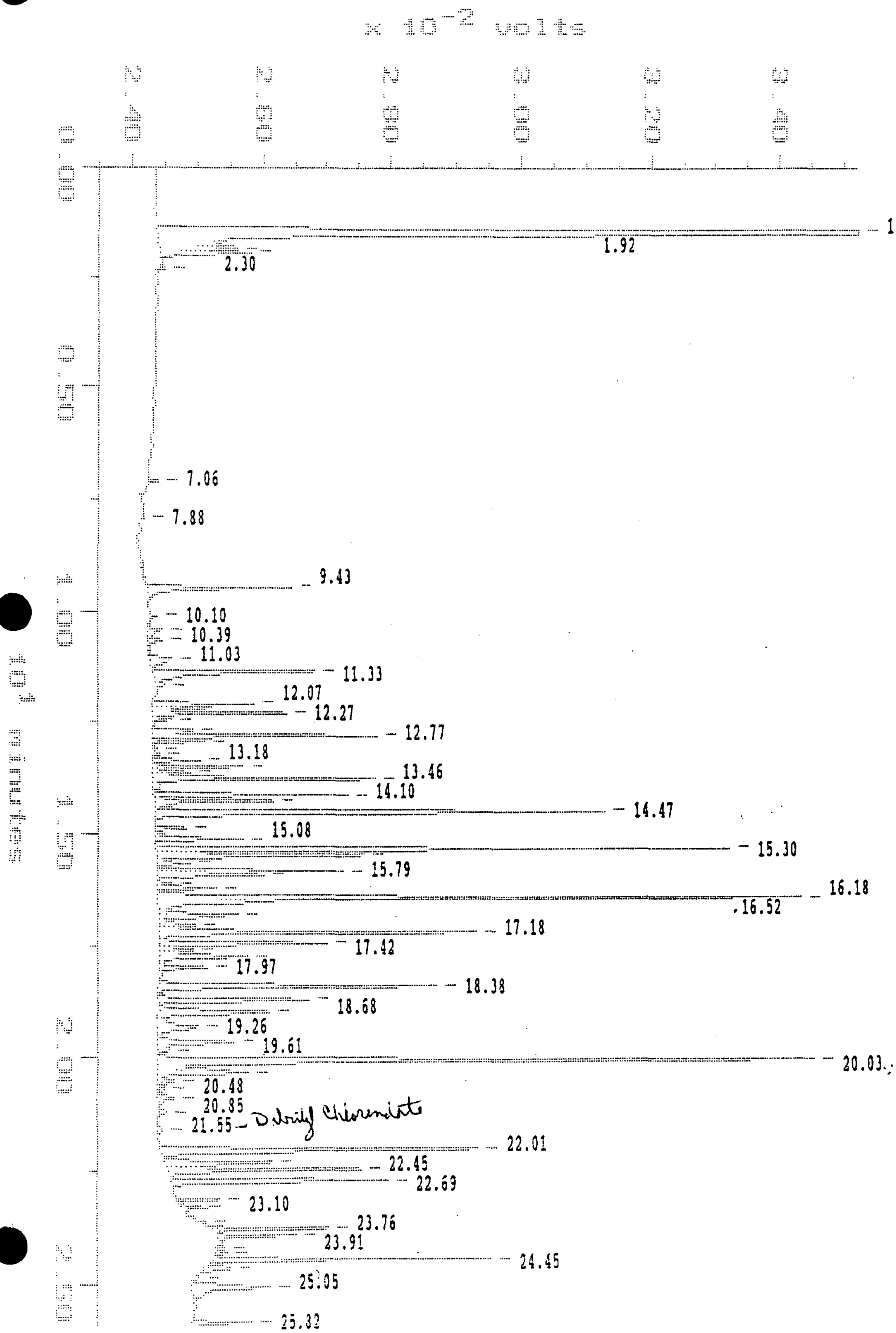
Type: UNKN
Instrument: HP850
Filename: AF100347
Index: 47
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.424	BP	2742.3	22047.0
1.836	PP	687.7	3994.2
1.930	PB	947.1	4179.2
2.303	BB	100.4	558.5
7.059	BB	121.7	3128.3
10.257	BB	53.4	4178.4
11.069	BP	165.3	1953.6
11.336	PB	1973.3	4338.1
13.495	BB	73.6	221.4
14.246	BB	5800.7	17411.2
14.791	BB	66.2	179.7
15.175	BB	122.7	402.7
16.220	BB	4184.1	14938.4
18.239	BB	152.0	676.0
20.926	BB	951.9	5432.9
21.549	BB	6197.7	33474.3
23.324	BB	282.3	1784.7
TOTAL		24622.3	118898.8

7262

Sample: 88891 1:50 Channel: ECD FSC RTx-5 Filename: AF100348
Acquired: 04-OCT-88 17:37 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : ~~1.000~~ KAT 50.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 9:26:07

7262

SAMPLE: 88891 1:50
#48 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 4-OCT-1988 17:37
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AF100348
Index: Disk
Injection Volume: 1.0 ~~1.000~~ 50.00
Dilution:

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BB	38667.1	273870.6
1.847	SV	646.8	3761.9
1.925	VS	1061.2	4118.0
2.297	BB	89.2	306.6
7.059	BB	163.2	388.0
7.877	BB	54.2	140.2
9.434	BB	2188.4	7923.3
10.096	BP	122.7	483.2
10.385	PP	199.4	1147.6
10.630	PP	191.3	1005.8
11.030	PP	350.6	3101.6
11.331	PB	2473.4	12287.6
11.631	SS	99.2	294.7
12.065	BP	1539.7	5504.6
12.265	PB	2024.9	9643.4
12.410	SS	218.0	647.2
12.632	BP	605.2	1443.9
12.766	PP	3449.2	12486.7
12.899	PP	773.4	2243.0
13.072	PP	48.4	151.9
13.183	PP	103.8	289.2
13.322	PP	719.3	2360.2
13.461	PP	1364.4	4433.9
13.584	PP	574.9	1870.3
13.739	PP	3407.6	14928.7
14.095	PP	2947.5	9653.1
14.234	PP	1820.3	7802.1
14.468	PB	6892.9	32686.8
14.841	BP	467.3	1877.7
15.080	PP	1326.1	5236.3
15.297	PP	8791.4	32328.7
15.436	PP	3162.6	15413.7
15.625	PP	496.1	1776.3
15.792	PP	2849.8	10122.9

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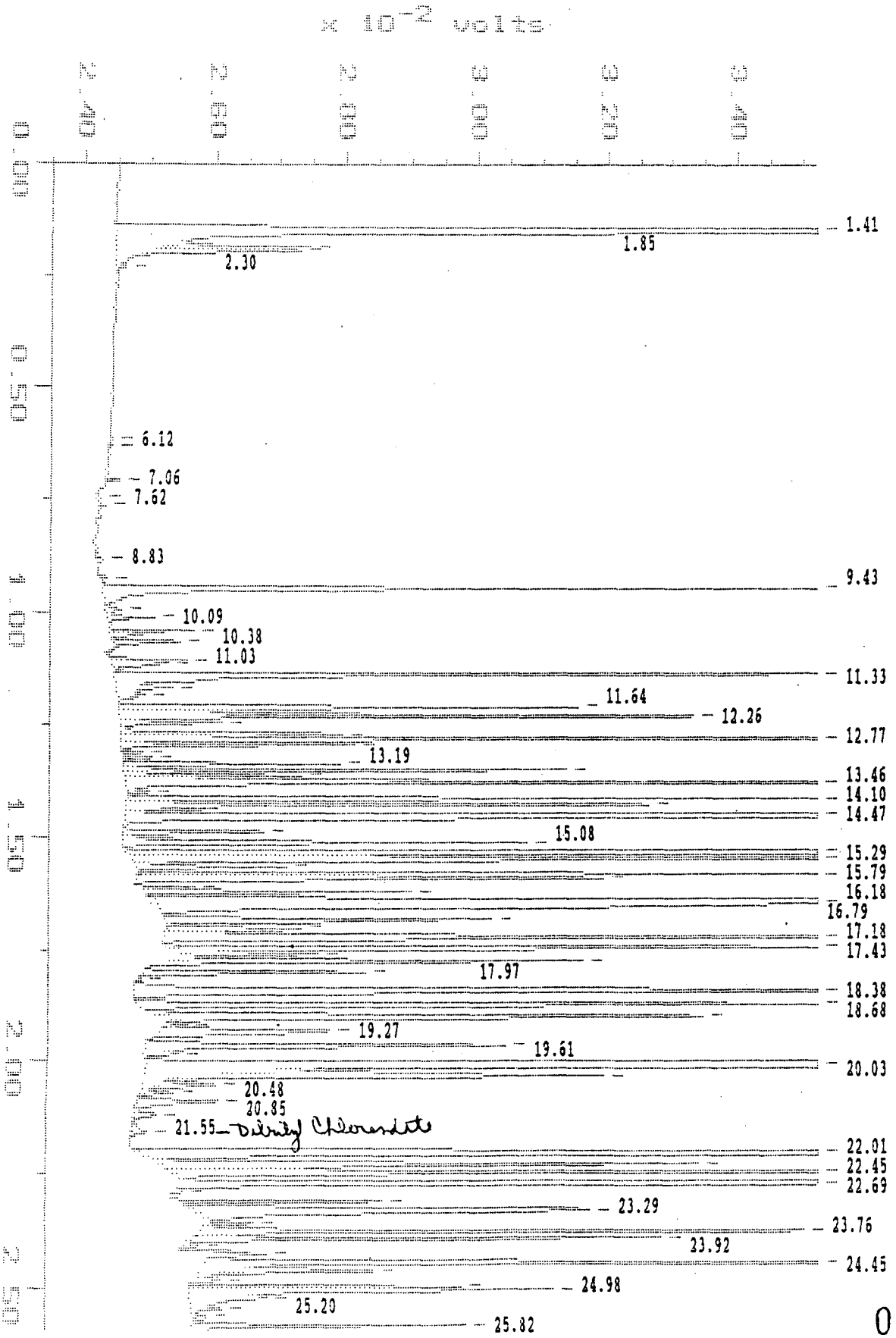
AF100348

15.887	PP	1604.9	6503.5
16.076	PP	217.6	752.5
16.181	PP	895.5	3485.8
16.415	PP	9860.9	57110.7
16.521	SS	374.6	977.6
16.788	SS	1097.0	5881.0
17.016	PP	542.4	3438.7
17.183	PP	4866.4	22547.8
17.422	PP	2557.9	11311.7
17.578	PP	496.7	2675.4
17.711	PP	1318.8	7176.1
17.967	PB	693.9	3044.4
18.379	BP	4268.1	20545.0
18.684	PP	2287.6	10806.9
18.946	PP	1672.1	12063.8
19.263	PP	594.9	5969.0
19.613	PP	1128.0	7344.6
19.786	SS	59.1	225.9
20.025	PP	10038.7	56818.2
20.281	SS	1103.9	6766.6
20.481	SV	178.9	911.6
20.648	VS	91.3	419.4
20.848	PB	247.6	1617.9
21.160	BB	106.6	656.7
21.555	BB	61.2	333.0
22.005	BP	4829.3	26778.2
22.278	PP	1609.7	9699.6
22.450	PP	2934.9	12824.3
22.689	PB	3302.9	14252.6
23.101	BP	634.8	1978.1
23.251	PP	277.9	774.2
23.335	PP	43.6	109.2
23.596	PP	73.2	7.6
23.757	PB	1747.1	5708.8
23.913	BB	1163.2	4617.1
24.197	SV	101.2	196.2
24.280	VS	101.3	270.9
24.447	BP	4261.9	13649.5
24.631	SS	375.9	2457.3
24.837	SS	67.2	276.9
25.054	PB	1176.4	8835.6
25.821	BD	885.0	3542.6
TOTAL		159839.8	837092.5

7202

Sample: 83891 1:10 Channel: ECD FSC RTx-5 Filename: AF100350
Acquired: 04-OCT-93 18:43 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : ~~1 000~~ at 10.00 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000167

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 9:41:12

7262

SAMPLE: 88891 1:10
#50 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 4-OCT-1988 18:43
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AP100350
Index: Disk
Injection Volume: 1.0 µl
Dilution: ~~1.000~~ 10.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BB	38608.4	288269.2
1.852	SV	2166.7	9774.2
1.919	VS	2197.1	8175.5
2.297	SS	82.0	243.7
6.119	BB	67.8	270.6
6.280	BB	47.7	118.7
7.059	BB	222.9	536.0
7.465	BP	73.1	259.5
7.621	PB	113.1	362.1
8.828	BB	110.1	523.0
9.223	BB	87.7	333.0
9.428	BP	11966.2	44000.2
9.924	PP	225.3	1287.0
10.090	PP	718.6	3203.7
10.380	PP	1309.0	4424.9
10.480	PP	472.9	1792.9
10.624	PP	1006.6	3286.7
10.752	PP	89.4	192.7
11.030	PP	1171.7	3718.9
11.103	PP	857.5	3927.0
11.325	PP	12039.9	58000.3
11.637	SV	544.8	1948.1
11.804	VS	179.3	391.4
12.060	PP	7004.9	23517.4
12.260	PP	8730.4	42976.3
12.410	PP	1547.8	6010.1
12.671	PP	3400.7	17886.2
12.766	PP	15208.8	45751.5
12.899	PP	3569.4	10577.2
13.077	PP	302.0	969.7
13.189	PP	444.1	1136.5
13.322	PP	3301.7	10990.4
13.461	PP	6757.9	21086.8
13.584	PP	2706.5	8935.2

AP100350 KJ

13.734	PP	16736.9	68063.2
13.956	SS	270.2	770.6
14.095	PP	13323.9	43298.4
14.234	PP	7969.0	32778.8
14.468	PP	29684.3	146813.6
14.841	PP	2172.4	8852.9
15.080	PP	6148.0	24198.4
15.291	PP	38001.8	141448.8
15.442	PP	15626.6	79601.3
15.625	PP	2324.6	7881.1
15.792	PP	15056.4	51291.2
15.887	PP	7109.4	29306.0
16.081	PB	761.9	2148.0
16.181	BB	3939.3	13767.0
16.415	BB	47023.3	269228.4
16.793	BP	4975.3	27314.7
16.993	PP	2062.3	12620.6
17.183	PP	21003.1	95673.5
17.427	PB	11864.9	52111.8
17.561	SS	1524.3	5485.4
17.717	BB	6078.4	26900.6
17.967	BP	3380.3	14067.9
18.117	SS	59.2	212.1
18.379	PP	20672.6	100382.5
18.684	PP	10389.0	49343.6
18.951	PB	8167.4	53937.5
19.146	BP	362.4	1323.9
19.269	PB	2598.3	20309.6
19.613	BB	5448.7	33209.3
19.786	SS	205.5	832.5
20.031	BB	51143.5	294569.9
20.286	SS	5718.6	32013.4
20.481	SV	873.9	4501.9
20.654	VV	433.6	1885.6
20.854	VV	1254.6	8700.4
21.154	VV	350.7	2552.8
21.555	VS	221.7	1897.4
22.005	BP	26429.2	149561.0
22.261	PP	8165.0	48773.7
22.450	PB	13673.9	58536.1
22.689	BP	17003.2	73239.0
22.879	SS	87.1	240.1
23.101	PP	3054.6	9028.0
23.290	PB	5994.0	52945.1
23.591	BP	676.8	2111.1
23.757	PP	9211.7	33570.6
23.919	PB	7115.2	24093.8
24.080	SS	207.4	583.7
24.269	BB	761.7	2513.2
24.447	BP	22071.8	81199.0

AF100350

24.642	SV	2085.9	11294.1
24.837	VS	333.7	1305.1
24.981	PP	4085.5	12846.4
25.048	PB	5473.7	38188.5
25.204	SS	291.9	1392.8
25.460	SS	272.6	955.4
25.638	SS	181.8	924.5
25.821	BB	4153.0	15163.9
		---	---
TOTAL		623598.3	3002636.6

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 10:09:08

7262 MS

SAMPLE: M88891 1:5
#52 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 4-OCT-1988 19:49
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AF100352
Index: Disk
Injection Volume: 1.0
Dilution: 1.000 KW 5.00

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.418	BP	13196.1	106950.7
1.886	PB	5443.6	53285.8
2.297	SS	107.8	300.1
3.443	BB	111.1	851.0
6.119	BB	395.5	1443.8
6.925	BP	203.1	1080.4
7.059	PB	487.1	1313.1
7.626	BB	485.5	1297.4
8.188	BB	62.8	505.4
8.678	BP	71.9	458.4
8.828	PB	276.4	1071.2
9.223	BB	237.1	955.2
9.423	BP	28203.0	96533.6
9.734	SS	116.8	305.9
9.924	SV	565.8	2664.9
10.090	VV	1710.7	7435.7
10.374	VV	3255.6	10402.4
10.480	VV	1325.6	5549.6
10.624	VV	2589.7	8866.2
10.730	VS	1096.2	3845.6
11.069	PP	5305.6	35183.9
11.320	PP	28114.8	123686.7
11.637	SV	1209.3	5173.7
11.804	VS	690.7	3307.4
12.060	PP	15192.7	50943.3
12.165	PP	7758.3	21684.7
12.260	PP	18408.5	70641.7
12.404	PP	3828.9	15794.3
12.671	PP	8273.4	41960.6
12.766	PP	30046.7	92863.8
12.899	PP	7478.1	23918.5
13.072	PP	927.8	3874.4
13.183	PP	1192.0	3965.5
13.322	PP	7031.3	26091.1

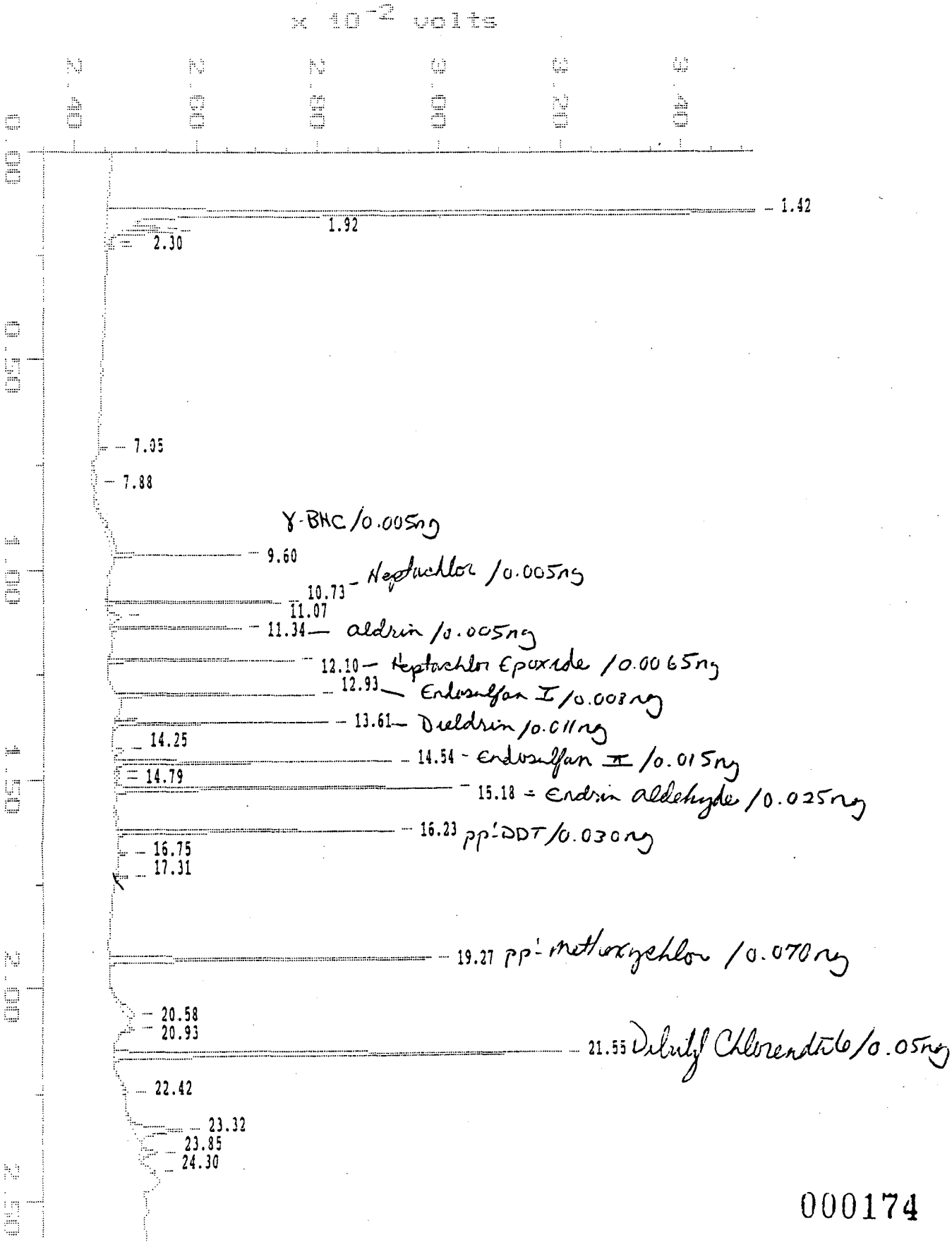
AF100352 pt 4

13.461	PP	14597.9	47280.7
13.584	PP	6426.1	21940.3
13.734	PP	35054.4	148034.5
13.951	SS	698.0	1983.9
14.090	PP	27051.7	88979.8
14.234	PP	17110.0	63791.7
14.357	PP	2625.7	8708.7
14.468	PP	57598.0	293242.0
14.841	PP	4369.0	18365.3
14.980	PP	1431.2	5203.9
15.074	PP	12543.1	44526.9
15.291	PP	74903.1	276271.1
15.442	PP	33765.9	185048.5
15.625	SS	4208.1	12887.0
15.786	PP	33546.6	117617.7
15.881	PP	14797.1	63645.7
16.076	PP	2450.8	8817.1
16.181	PP	9458.7	38410.9
16.409	PP	96087.6	591863.4
16.788	PP	11477.0	69944.8
16.988	PP	5716.9	38135.7
17.177	PP	43521.6	209675.7
17.422	PP	26521.3	142627.6
17.550	SS	3160.1	10574.6
17.711	PP	15350.6	80315.2
17.967	PB	7888.3	34249.7
18.117	SS	156.3	510.0
18.379	BP	42393.0	211078.5
18.684	PP	20909.1	102722.6
18.951	PP	18961.3	135817.7
19.135	PP	1743.3	8608.5
19.269	PP	5713.2	49290.8
19.608	PB	11797.8	75849.0
19.780	SS	308.4	1331.3
20.025	BP	108599.1	630114.5
20.281	SS	9942.7	55871.7
20.476	SV	1917.2	9892.8
20.654	VV	752.6	3152.6
20.848	VV	2765.1	19550.1
21.149	VV	867.2	6837.2
21.432	VV	195.3	1184.1
21.555	VS	451.1	2879.7
21.816	PB	59.0	190.9
22.000	BP	55938.0	329530.9
22.250	PP	17527.2	107027.5
22.450	PP	29166.9	132458.0
22.684	PB	36681.1	168190.9
22.873	SS	265.2	704.9
23.101	BB	5283.1	15677.0
23.262	BB	9424.7	75151.6

RF100352 Kt

23.591	BB	1111.5	2797.6
23.757	BP	19800.2	69625.0
23.913	PB	12371.9	42578.4
24.075	SS	456.3	1251.4
24.264	BP	2715.5	15310.1
24.447	PB	46727.7	191392.6
24.636	SS	4118.7	18945.6
24.831	SS	787.4	3093.0
24.981	BP	8836.5	26166.0
25.048	PB	12459.6	87150.6
25.193	SS	584.4	2674.9
25.454	SS	786.4	2850.0
25.626	SS	444.7	2001.1
25.821	BB	8119.3	25755.0
		---	---
TOTAL		1258896.4	6081562.6

Sample: IND A 50% Channel: ECD FSC RTx-5 Filename: AF100354
Acquired: 04-OCT-88 20:55 Method: C:\MAR\850\AF1003MA Operator: RAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000174

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 7:14:14

SAMPLE: IND A 50%
#54 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 4-OCT-1988 20:55
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

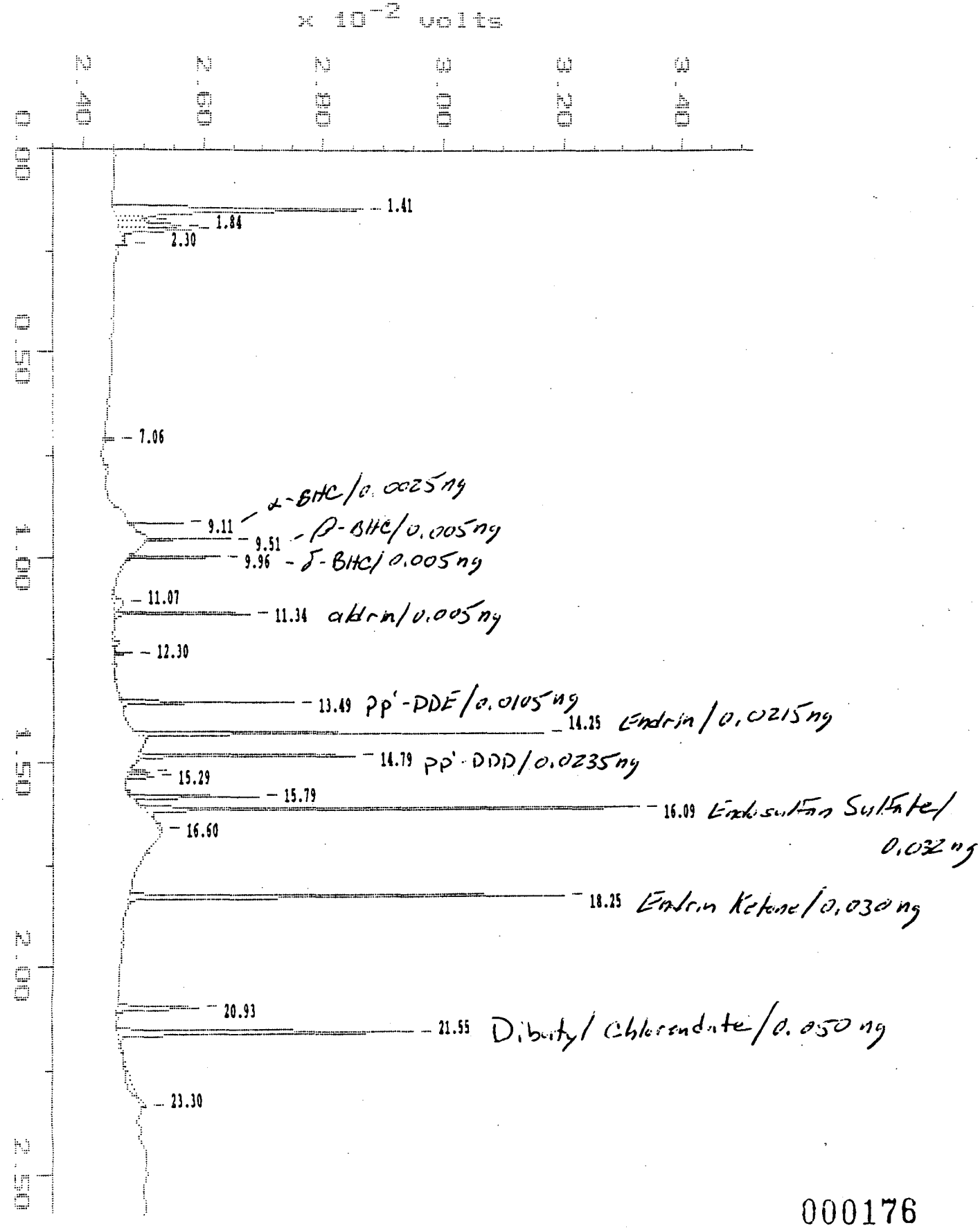
Type: UNKN
Instrument: HP850
Filename: AF100354
Index: 54
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.418	BB	16487.2	126587.4
1.836	SV	550.0	3123.9
1.925	VS	859.7	3277.3
2.203	SV	60.1	290.0
2.297	VS	92.7	386.2
7.053	BB	130.8	312.1
7.877	BB	49.2	963.1
9.601	BB	2117.2	5888.5
10.730	BB	2838.0	5900.8
11.075	BP	182.2	1824.9
11.336	PB	2148.6	4479.5
12.104	BB	3022.2	7043.5
12.933	BB	3221.8	7893.6
13.500	BP	55.9	139.5
13.611	PB	3485.1	9712.7
14.246	BB	172.1	1004.3
14.540	BB	4518.2	13759.0
14.791	BP	71.8	222.9
14.919	PP	55.9	204.8
15.180	PB	5508.5	19865.1
16.226	BB	4505.0	16304.8
16.749	BB	132.9	568.8
17.311	BB	182.6	810.3
19.269	BB	5251.4	24502.9
20.581	BB	92.7	1368.8
20.926	BB	155.2	876.3
21.555	BB	7304.1	39220.2
22.422	BB	58.8	1004.3
23.318	BB	748.0	8056.5
23.852	BP	270.1	2543.8
24.303	PB	70.8	541.1
TOTAL		64399.0	307677.1

Sample: IND B 504 Channel: ECD FSC Rfx-5 Filename: AF100355
Acquired: 04-OCT-88 21:28 Method: C:\MAX\850\AF1003MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC Rfx-5, ID #10227-846.

JWW



000176

MAXIMA 820 CUSTOM REPORT

Printed: 31-OCT-1988 12:24:50

SAMPLE: IND B 50%
#55 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 4-OCT-1988 21:28
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP850
Filename: AP100355
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BP	4149.1	35772.8
1.719	PP	538.7	2469.9
1.836	PP	1053.6	7069.5
1.925	PB	1214.3	5661.8
2.303	BB	90.1	278.9
7.059	BB	176.8	692.2
9.111	BB	928.5	1693.8
9.506	BB	1415.1	2818.0
9.962	BB	1516.7	2904.9
11.075	BP	164.6	2300.9
11.336	PB	2247.5	4774.4
12.299	BB	288.6	775.2
13.495	BB	2860.4	7959.6
14.251	BB	6724.7	19446.0
14.785	BB	3612.2	11121.4
15.180	SV	324.2	1224.0
15.291	VS	438.2	2247.5
15.786	BP	2108.1	7436.2
16.087	PB	8207.1	28789.9
16.599	BB	62.2	680.4
18.245	BB	7217.4	29633.6
20.932	BB	1343.8	7589.7
21.549	BB	4861.0	26157.3
23.301	BB	91.6	-3631.8
TOTAL		51634.6	213129.8

Pesticide Evaluation Standards Summary
(Page 1)

ETR
~~Case~~ No: 14944 Region: LMS

Laboratory: Aquatec, Inc.

Contract No: —

GC Column: RTX-5 60m x 0.32mmID COLUMN # 10227-846

Date of Analysis: 05-OCT-88

Instrument ID: 850

Evaluation Check for Linearity

Laboratory ID	EVALUATION MIX A	EVALUATION MIX B	EVALUATION MIX C	
Pesticide	Calibration Factor Eval Mix A	Calibration Factor Eval Mix B	Calibration Factor Eval Mix C	% RSD (≤ 10%)
Aldrin	4228.0	4152.8	4467.5	3.8
Endrin	2821.9	2835.0	3161.0	6.5
4,4'-DDT[1]	1396.7	1462.7	1649.5	8.7
Dibutyl Chlorendate	1336.7	1259.7	1332.4	3.3

Evaluation Check for 4,4'-DDT/Endrin Breakdown
(percent breakdown expressed as total degradation)

	Laboratory ID	Time of Analysis	Endrin	4,4'-DDT	Combined[2]
Eval Mix B 72 Hour	Eval Mix B	11:50	5.2%	3.5%	
Eval Mix B	Eval Mix B	08:00	5.1%	3.4%	
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					

(1) See Exhibit E, Section 7.5.4

(2) See Exhibit E, Section 7.3.1.2.2.1

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Pesticide Evaluation Standards Summary
(Page 2)

Evaluation of Retention Time Shift for Dibutyl Chlorendate
Report all standards, blanks, and samples

SMO Sample No.	Lab ID	Time of Analysis	Percent Diff.	SMO Sample No.	Lab ID	Time of Analysis	Percent Diff.
EVALA	Evaluation mix a	11:12	-------				
EVALB	Evaluation mix b	11:50	0.02				
EVALC	Evaluation mix c	12:23	0.02				
INDA	Pesticide mix a	12:56	<0.01				
INDB	Pesticide mix b	14:17	<0.01				
TOXAPH	Toxaphene 400 ng	14:50	<0.01				
CHLOR	Chlordane 100 ng	15:31	-0.05				
AR1660	Aroclor 1016/1260	15:59	<0.01				
AR1221	Aroclor 1221 250 ng	16:32	0.02				
AR1232	Aroclor 1232 150 ng	17:05	<0.01				
AR1242	Aroclor 1242 100 ng	17:39	<0.01				
AR1248	Aroclor 1248 100 ng	18:12	0.02				
AR1254	Aroclor 1254 150 ng	18:45	0.02				
7262	88891 1:100	06:52	---				
EVALB	Evaluation mix b	08:00	0.10				
7262MS	M88891 1:100	08:33	---				
INDA	Pesticide mix a	01:07	0.15				
INDB	Pesticide mix b	01:40	0.15				

000179

E = Percent difference calculated using Endrin Ketone

ETR

PESTICIDE/PCB STANDARDS SUMMARY

Case No. 14944
Contract No. [redacted]

Laboratory Aquatec, Inc.
GC Column RTX-5 60m x 0.32mmID GC Instrument ID 850

Column # 10227-846

000180

	DATE OF ANALYSIS 05-OCT-88 / TIME OF ANALYSIS 12:56 / LABORATORY ID Pesticide mix a 50%				DATE OF ANALYSIS 07-OCT-88 / TIME OF ANALYSIS 01:07 / LABORATORY ID Pesticide mix a 50%				
COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF.**	
alpha-BHC									
beta-BHC									
delta-BHC									
gamma-BHC	9.601	+/-0.01	3835.6	QUANT.	9.590	4124.0	QUANT.	-7.5	++
Heptachlor	10.730	+/-0.01	5622.4	QUANT.	10.719	6167.4	QUANT.	-9.7	++
Aldrin	11.336	+/-0.02	4222.4	QUANT.	11.325	4352.4	QUANT.	-3.1	
Heptachlor Epoxide	12.104	+/-0.02	4580.9	QUANT.	12.093	4880.6	QUANT.	-6.5	
Endosulfan I	12.933	+/-0.02	4043.6	QUANT.	12.916	4348.6	QUANT.	-7.5	
Dieldrin	13.606	+/-0.02	3180.4	QUANT.	13.595	3330.2	QUANT.	-4.7	
4,4'-DDE									
Endrin									
Endosulfan II	14.535	+/-0.03	2972.7	QUANT.	14.518	3231.7	QUANT.	-8.7	
4,4'-DDD									
Endrin Aldehyde	15.175	+/-0.03	2171.0	QUANT.	15.158	2396.6	QUANT.	-10.4	
Endosulfan Sulfate									
4,4'-DDT	16.220	+/-0.03	1493.3	QUANT.	16.198	1646.9	QUANT.	-10.3	
Methoxyclor	19.269	+/-0.02	742.5	QUANT.	19.235	849.8	QUANT.	-14.5	++
Endrin Ketone									
Tech. Chlordane									
alpha-Chlordane*									
gamma-Chlordane*									
Toxaphene									
Aroclor - 1016									
Aroclor - 1221									
Aroclor - 1232									
Aroclor - 1242									
Aroclor - 1248									
Aroclor - 1254									
Aroclor - 1260									

* SEE EXHIBIT B, PART 7

11-OCT-88 10:52:02

** CONF. = CONFIRMATION (<20% DIFFERENCE)
** QUANT. = QUANTITATION (<15% DIFFERENCE)

4/84
++ Retention time shift considered in chromatogram evaluation.

ETR

PESTICIDE/PCB STANDARDS SUMMARY

Case No. 14944
Contract No. [redacted]

Laboratory Aquatec, Inc.
GC Column RTX-5 60m x 0.32mmID GC Instrument ID 850

Column # 10227-846

	DATE OF ANALYSIS 05-OCT-88 / TIME OF ANALYSIS 14:17 / LABORATORY ID Pesticide mix b 50%				DATE OF ANALYSIS 07-OCT-88 / TIME OF ANALYSIS 01:40 / LABORATORY ID Pesticide mix b 50%				
COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF.**	
alpha-BHC	9.111	<+/-0.01	3490.0	QUANT.	9.100	3476.0	QUANT.	0.4	++
beta-BHC	9.506	<+/-0.01	2707.2	QUANT.	9.501	2609.2	QUANT.	3.6	
delta-BHC	9.962	+/-0.01	2775.6	QUANT.	9.951	2746.4	QUANT.	1.1	++
gamma-BHC									
Heptachlor									
Aldrin	11.336	+/-0.02	4375.4	QUANT.	11.325	4386.4	QUANT.	-0.3	
Heptachlor Epoxide									
Endosulfan I									
Dieldrin									
4,4'-DDE	13.495	+/-0.02	2574.6	QUANT.	13.478	2588.7	QUANT.	-0.5	
Endrin	14.246	+/-0.03	3101.2	QUANT.	14.229	3122.0	QUANT.	-0.7	
Endosulfan II									
4,4'-DDD	14.785	+/-0.03	1418.0	QUANT.	14.768	1391.5	QUANT.	1.9	
Endrin Aldehyde									
Endosulfan Sulfate	16.087	+/-0.03	2588.2	QUANT.	16.065	2573.7	QUANT.	0.6	
4,4'-DDT									
Methoxyclor									
Endrin Ketone	18.239	+/-0.02	2397.9	QUANT.	18.212	2351.3	QUANT.	1.9	++
Tech. Chlordane									
alpha-Chlordane*									
gamma-Chlordane*									
Toxaphene									
Aroclor - 1016									
Aroclor - 1221									
Aroclor - 1232									
Aroclor - 1242									
Aroclor - 1248									
Aroclor - 1254									
Aroclor - 1260									

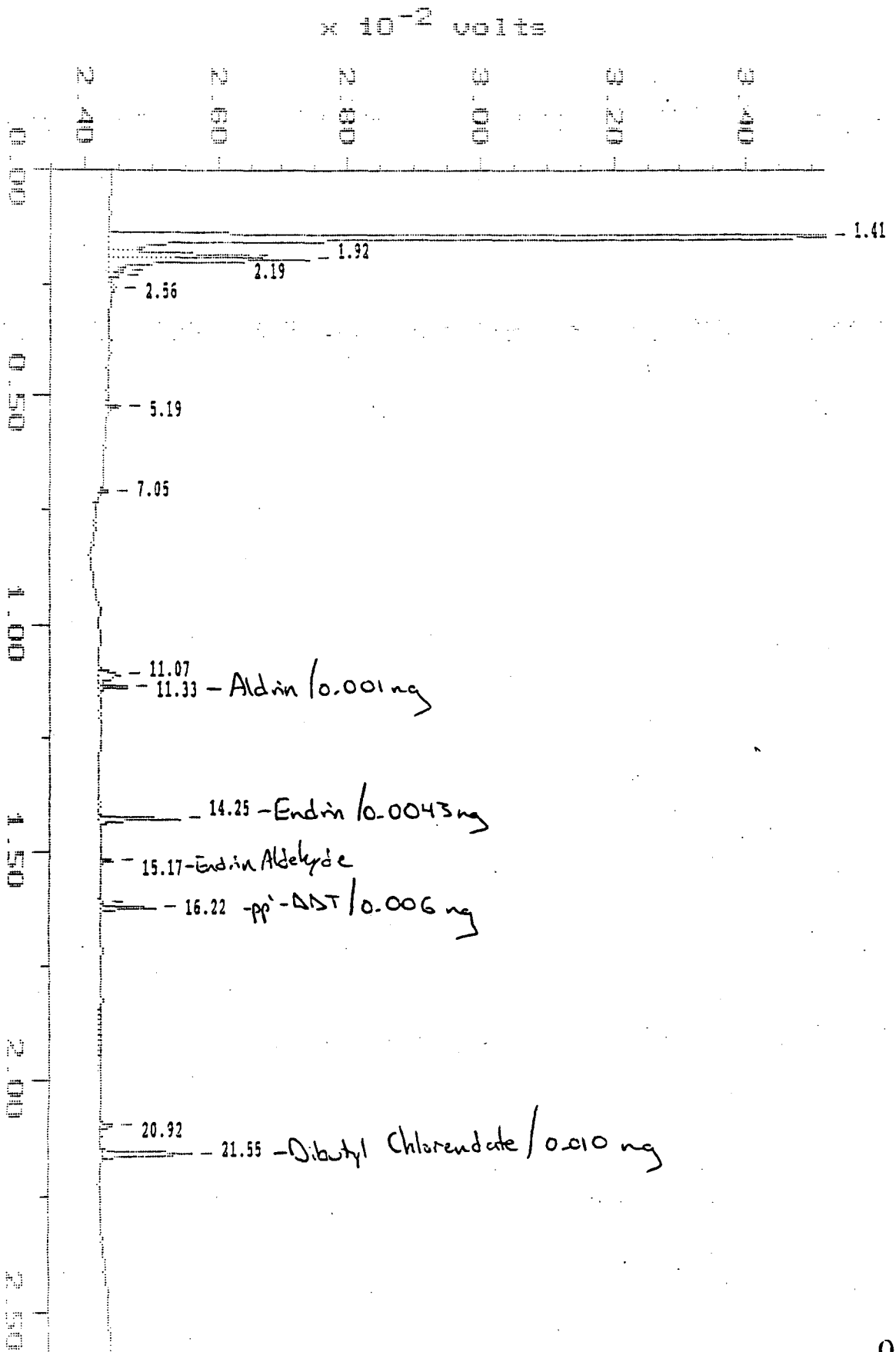
* SEE EXHIBIT B, PART 7

11-OCT-88 10:52:02

** CONF. = CONFIRMATION (<20% DIFFERENCE)
** QUANT. = QUANTITATION (<15% DIFFERENCE)

4/84
++ Retention time shift considered in chromatogram evaluation.

Sample: EVAL A Channel: ECD FSC RTx-5 Filename: AF100501
Acquired: 05-OCT-88 11:13 Method: C:\MAX\850\AF1005MA Operator: JWM
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000182

MAXIMA 820 CUSTOM REPORT

Printed: 6-OCT-1988 7:19:45

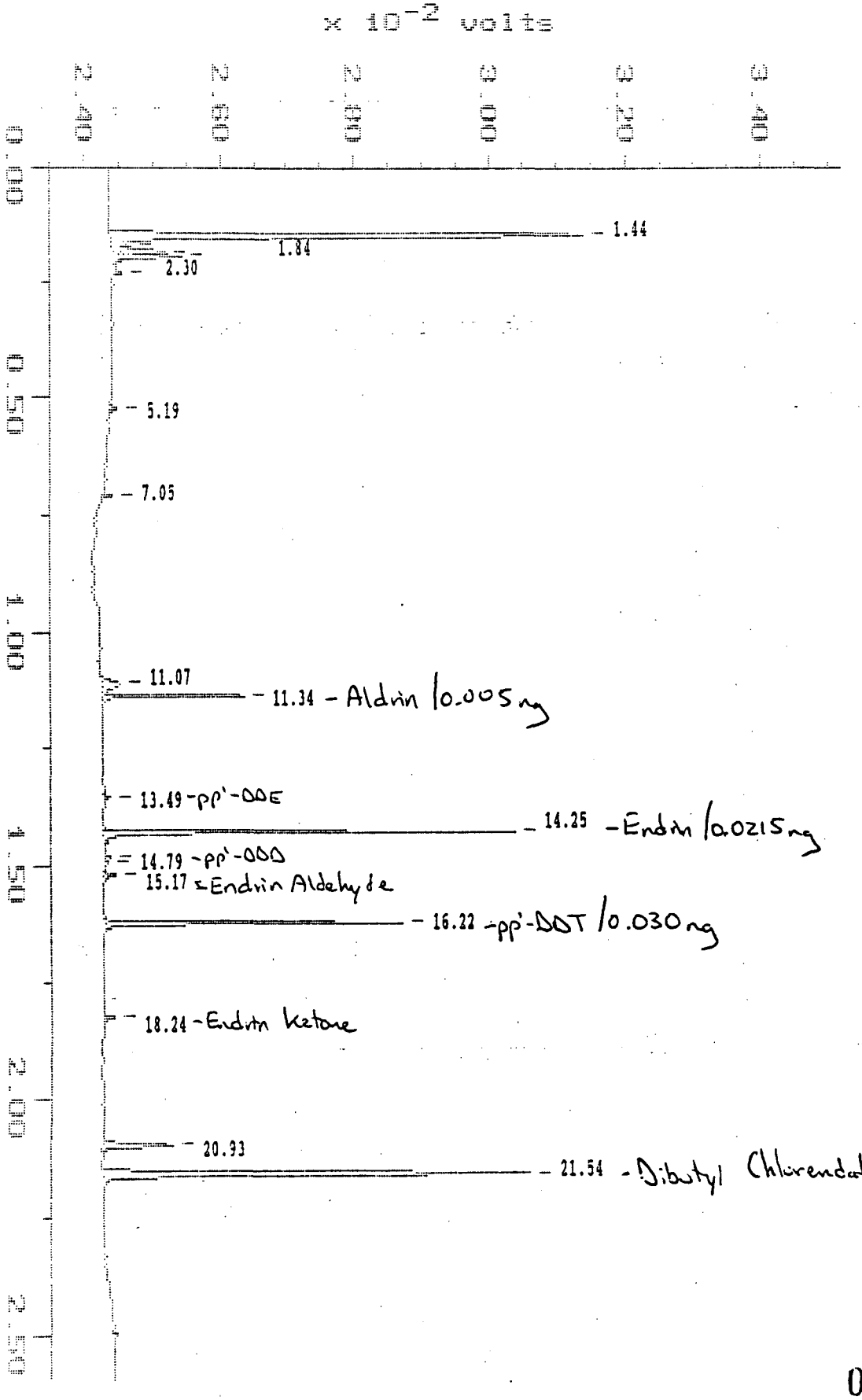
SAMPLE: EVAL A
Type: UNKN
#1 in Method: COLUMN: FSC RTx-5 ID #10227-846
Instrument: HP350
Acquired: 5-OCT-1988 11:12
Filename: AF100501
Rate: 3.0 points/sec
Index: Disk
Duration: 25.999 minutes
Injection Volume: 1.0
Operator: JWM
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BP	20135.8	136640.7
1.841	PP	2109.5	11900.1
1.925	PP	3026.7	17235.9
2.192	SV	87.7	437.4
2.292	VS	94.9	338.9
2.559	PB	68.7	658.6
5.190	BB	170.9	714.9
7.053	BB	122.4	324.7
11.069	BP	310.1	2970.3
11.331	PB	422.8	1151.2
14.246	BB	1213.4	4351.2
15.175	BB	189.3	701.5
16.098	BP	56.9	238.0
16.220	PB	838.0	3216.4
20.921	BB	203.0	2959.0
21.549	BB	1336.7	7258.9
TOTAL		30386.9	191097.7

000183

Sample: EVAL B Channel: ECD FSC RTx-5 Filename: AF100606
Acquired: 06-OCT-98 11:50 Method: C:\MAX\850\AF1005MA Operator: JWM
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



MAXIMA 820 CUSTOM REPORT

Printed: 6-OCT-1988 7:20:38

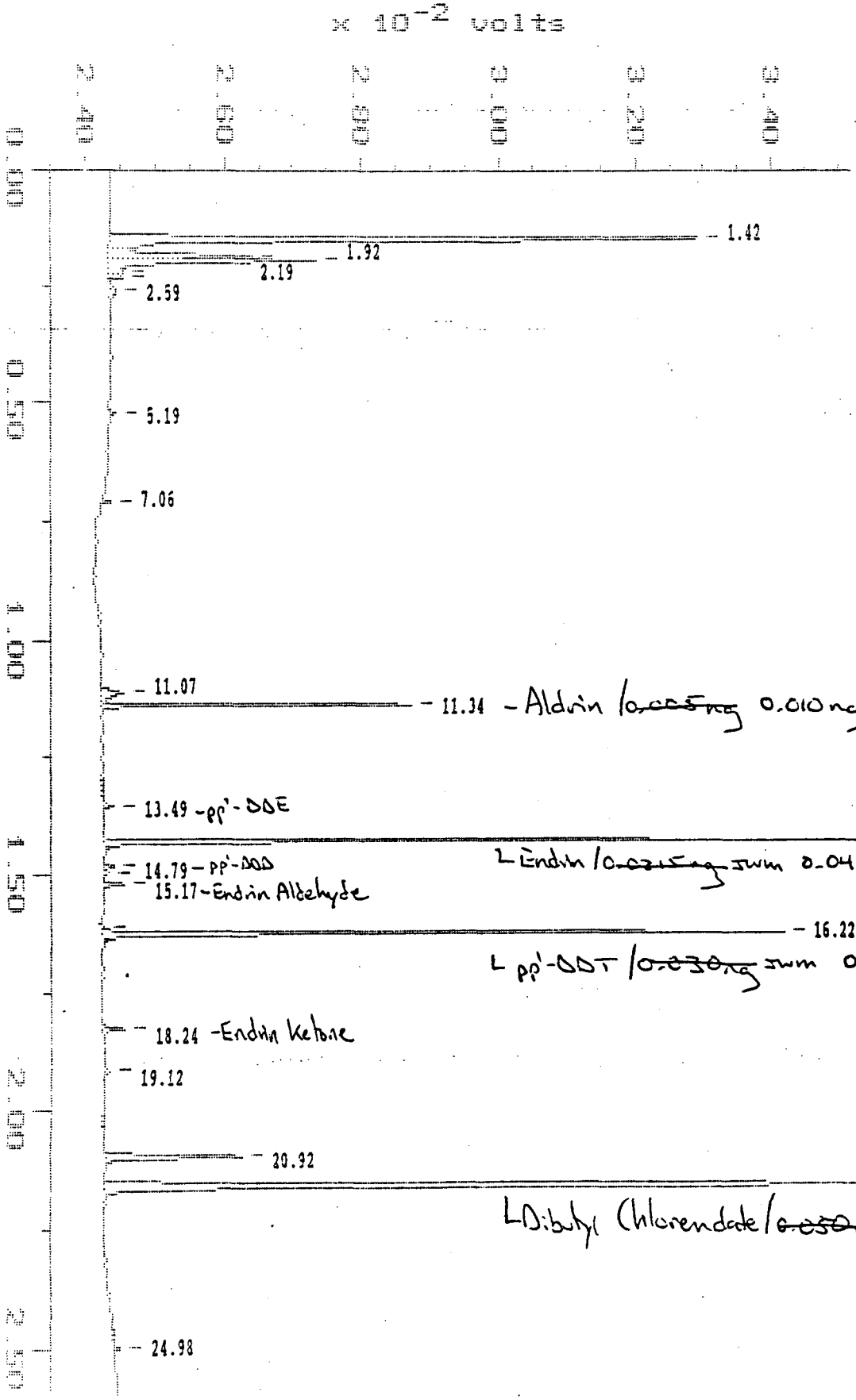
SAMPLE: EVAL B
#2 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 5-OCT-1988 11:50
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: JWM

Type: UNKN
Instrument: HP850
Filename: AP100502
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.435	BB	7028.5	58540.2
1.719	SV	121.6	380.2
1.836	VV	655.9	3628.7
1.925	VS	919.3	3852.4
2.297	BS	94.3	310.1
5.190	BB	119.7	620.8
7.053	BB	132.7	327.8
11.069	BP	276.0	2878.7
11.336	PB	2076.4	4557.3
13.495	BB	74.3	238.8
14.246	BS	6095.3	18876.0
14.785	BP	84.8	348.5
14.908	PB	50.3	177.8
15.175	BB	170.5	612.8
16.220	BB	4388.0	15878.1
18.239	BB	161.1	720.9
20.926	BB	1008.5	5817.4
21.544	BB	6298.7	34474.5
TOTAL		29755.6	152241.1

Sample: EVAL C Channel: ECD FSC RTx-5 Filename: AF100503
Acquired: 05-OCT-88 12:23 Method: C:\MAX\850\AF100SMA Operator: JWM
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000186

MAXIMA 820 CUSTOM REPORT

Printed: 6-OCT-1988 7:21:34

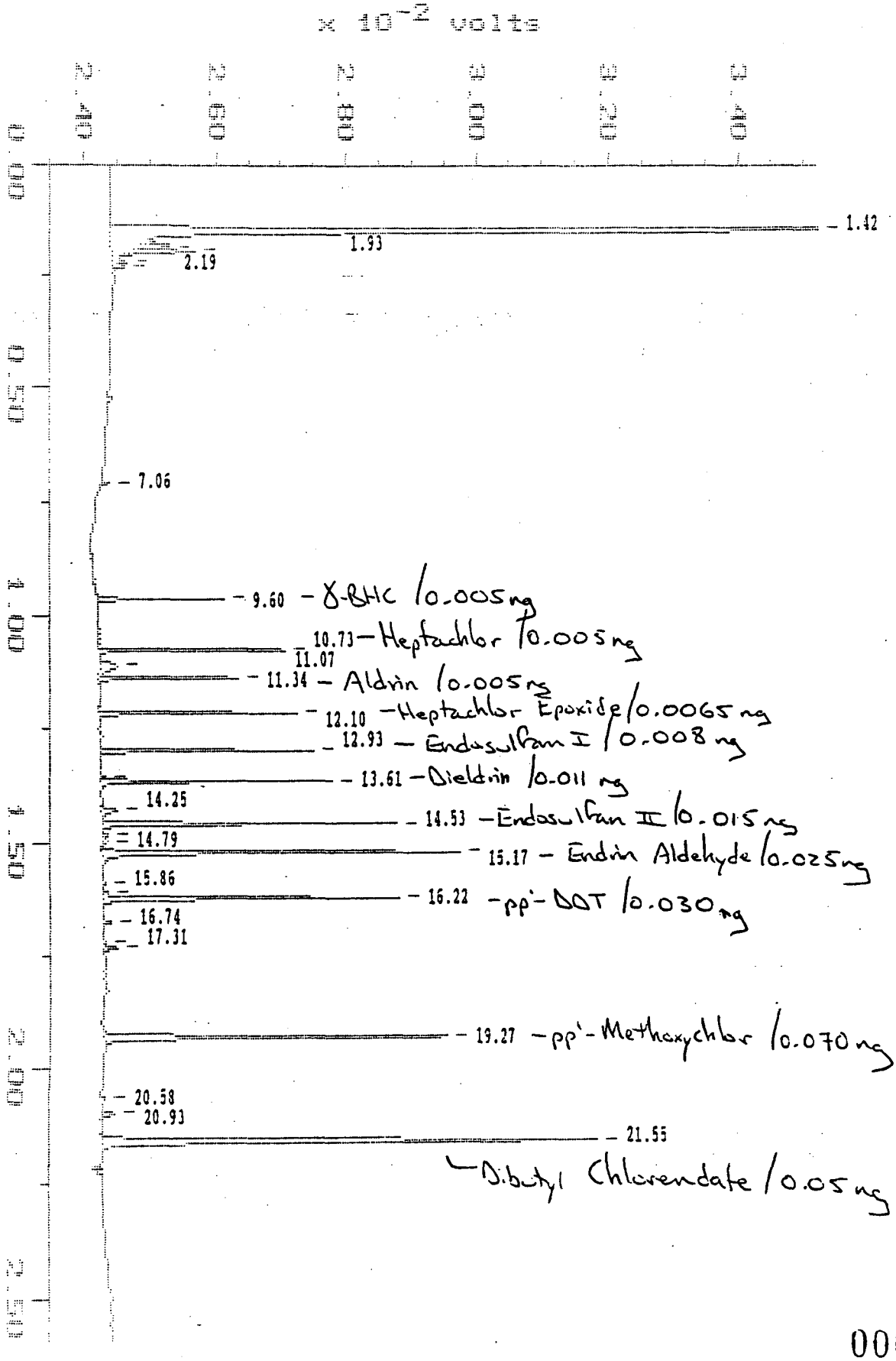
SAMPLE: EVAL C
#1 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 5-OCT-1988 12:23
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: JWM

Type: UNKN
Instrument: HP850
Filename: AF100503
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.418	BP	8561.6	65515.5
1.841	PP	2074.2	12970.6
1.925	PB	2989.5	17135.8
2.192	SV	81.5	440.0
2.303	VS	139.8	517.3
2.587	BB	55.1	399.8
5.190	BB	71.0	266.4
7.059	BB	111.5	279.2
11.069	BP	307.6	2436.8
11.336	PB	4467.5	9364.1
13.495	BB	151.5	770.9
14.246	BB	13592.4	38702.4
14.785	BP	144.7	595.2
14.919	PB	63.9	247.3
15.175	BB	285.7	1030.2
16.092	BP	58.8	217.4
16.220	PB	9896.8	34511.4
18.239	BB	303.4	1381.6
19.124	BB	67.9	294.8
20.921	BB	1948.5	11142.0
21.544	BB	13323.9	71381.1
24.976	BB	73.0	496.0
TOTAL		58770.1	270095.9

Sample: IND A 50% Channel: ECD FSC RTx-5 Filename: AF100504
Acquired: 05-OCT-88 12:56 Method: C:\MAIN\850\AF1005MA Operator: JWM
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-346.



000188

MAXIMA 820 CUSTOM REPORT

Printed: 6-OCT-1988 7:22:30

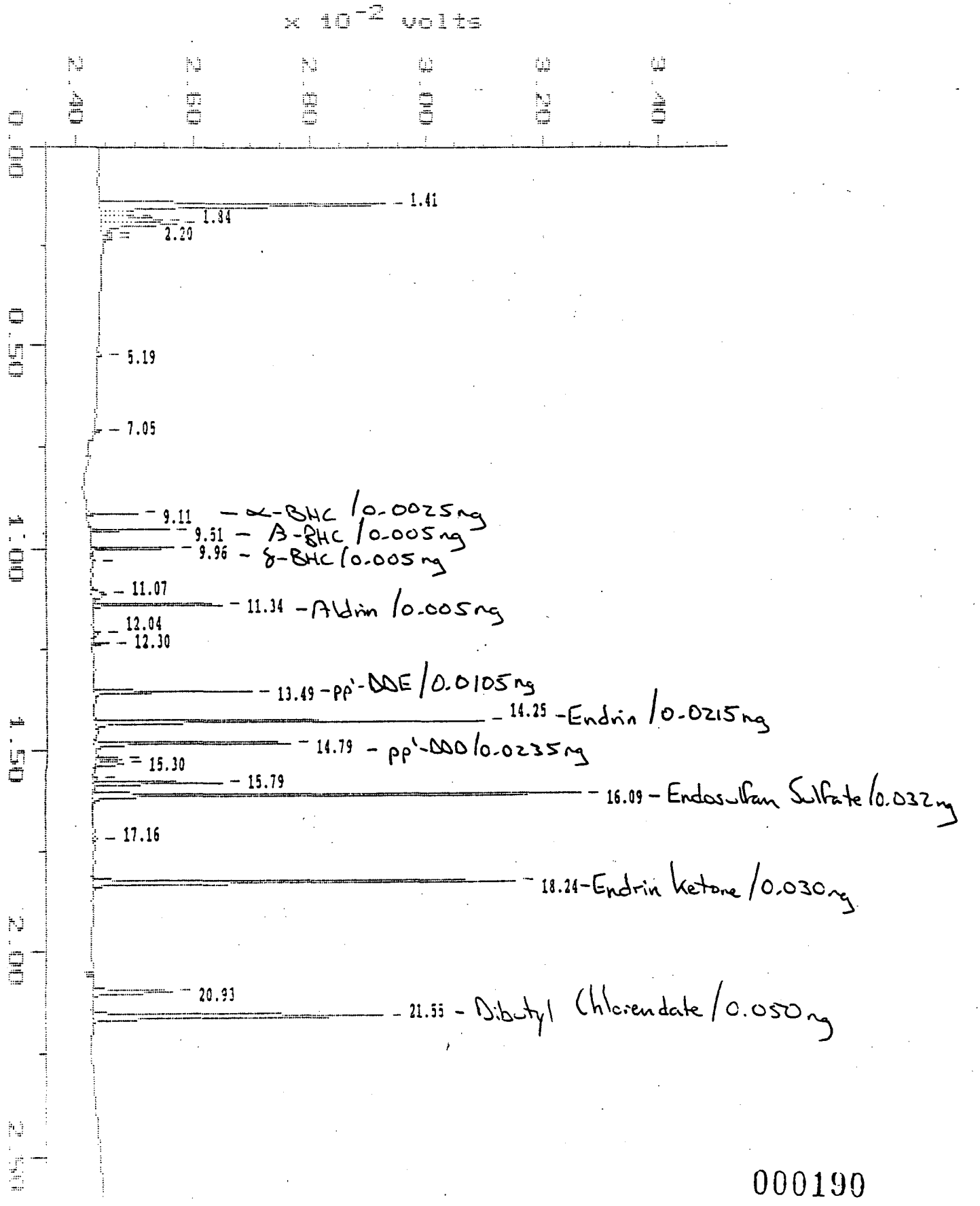
SAMPLE: IND A 50%
#4 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 5-OCT-1988 12:56
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: JWM

Type: UNKN
Instrument: HP850
Filename: AF100504
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.418	BB	17035.4	128129.8
1.836	SV	480.5	3074.1
1.930	VS	984.5	4512.4
2.192	SV	110.9	582.5
2.297	VS	134.0	505.2
7.059	BB	114.9	292.7
9.601	BB	1917.8	3522.9
10.730	BB	2811.2	5450.5
11.069	BP	285.3	2970.7
11.336	PB	2111.2	4682.9
12.104	BB	2977.6	7015.8
12.933	BB	3234.9	8353.6
13.500	BP	75.2	217.7
13.606	PB	3498.4	9631.9
14.246	BB	221.8	1254.0
14.535	BP	4459.0	13834.3
14.791	PP	73.3	238.2
14.919	PB	57.2	168.8
15.175	BB	5427.6	20096.0
15.859	BB	48.9	197.6
16.092	BP	82.4	315.1
16.220	PB	4479.9	16134.0
16.743	BB	115.2	481.9
17.166	BP	48.3	173.5
17.311	PB	200.6	798.2
19.269	BB	5197.2	24635.6
20.581	BB	46.4	217.4
20.932	BB	190.1	1074.7
21.549	BB	7460.6	40388.5
TOTAL		63830.3	299590.5

Sample: IND 3 50% Channel: ECD FSC RTx-5 Filename: AF100505
Acquired: 05-OCT-88 14:17 Method: C:\MAR\850\AF1005MA Operator: JWM
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000190

MAXIMA 820 CUSTOM REPORT

Printed: 6-OCT-1988 7:23:27

SAMPLE: IND B 50%
#5 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 5-OCT-1988 14:17
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: JWM

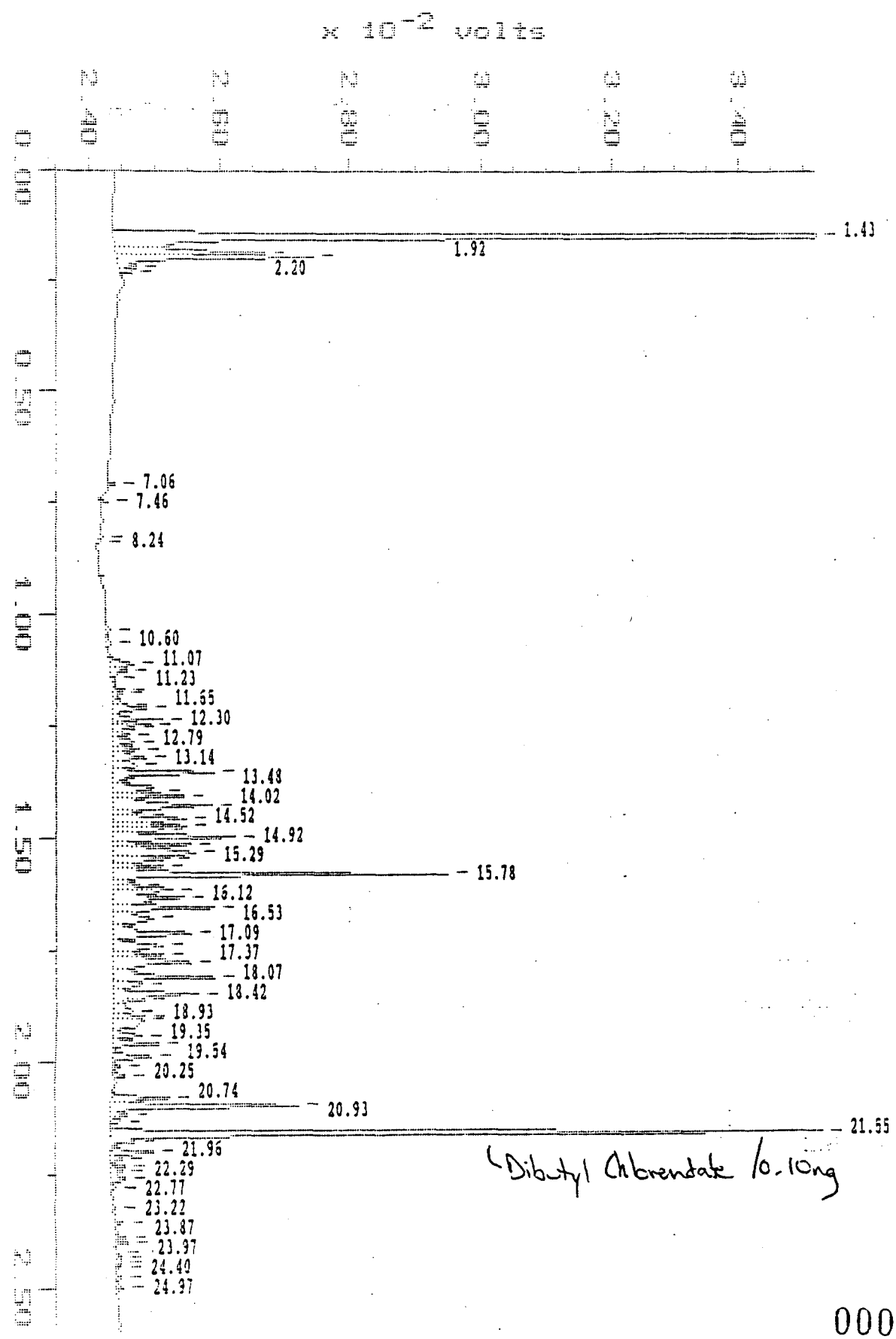
Type: UNKN
Instrument: HP850
Filename: AF100505
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BP	4867.8	38142.3
1.724	PP	535.7	2612.9
1.841	PP	1032.4	6795.1
1.925	PB	1266.0	7964.9
2.197	SV	72.0	377.8
2.303	VS	108.0	427.9
5.190	BB	61.5	217.1
7.053	BB	112.4	279.4
9.111	BB	872.5	1656.8
9.506	BB	1353.6	2868.7
9.962	BB	1387.8	2947.6
10.263	BB	45.7	190.6
11.069	BP	237.5	2299.7
11.336	PB	2187.7	4753.3
12.037	BB	116.9	524.1
12.299	BB	303.1	834.6
13.495	BB	2703.3	7743.0
14.246	BB	6667.5	20389.1
14.785	BB	3332.3	10802.8
15.175	BP	425.0	1551.1
15.297	PB	458.8	2346.6
15.658	BP	52.8	183.6
15.786	PB	2175.3	7769.1
16.087	BB	8282.1	29680.9
17.160	BB	58.8	241.9
18.239	BB	7193.8	23997.9
20.926	BB	1344.3	7723.8
21.549	BB	4871.1	26582.5
TOTAL		52125.8	217905.2

Sample: TOXAPH 0.4 ng Channel: ECD FSC RTx-5 Filename: AF100506
Acquired: 05-OCT-88 14:50 Method: C:\MAR\850\AF1005MA Operator: JWM
Dilution: 1 : 1.000 Inj Vol: 1.0G
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.

JWM



Dibutyl Chlorendate 10.10ng

MAXIMA 820 CUSTOM REPORT

Printed: 6-OCT-1988 7:24:25

SAMPLE: TOXAPH 0.4 ng
#6 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 5-OCT-1988 14:50
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: JWM

Type: UNKN
Instrument: HP850
Filename: AF100506
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.430	BP	13585.0	114640.8
1.841	PP	2269.5	13618.4
1.925	PB	3029.3	18260.8
2.203	SV	137.4	707.2
2.303	VS	144.5	531.3
7.059	BB	122.8	289.5
7.459	BB	109.2	230.9
8.238	BP	53.4	200.6
8.355	PB	46.6	136.0
10.324	BP	51.1	558.3
10.597	PB	53.6	349.9
11.069	BP	385.5	3168.1
11.225	PP	246.0	1116.0
11.403	PP	52.2	195.7
11.648	PP	168.6	612.2
11.726	PP	120.6	521.7
11.959	PP	225.5	1374.4
12.048	PP	497.8	2840.9
12.299	PP	750.1	3043.2
12.399	PP	584.8	1944.3
12.482	PP	306.6	1430.3
12.621	PP	263.0	1248.5
12.794	PP	312.6	2943.3
12.961	PP	372.4	1288.2
13.144	PP	506.4	3805.0
13.317	PP	352.9	3027.0
13.484	PP	1526.6	9381.5
13.595	SS	120.6	270.4
13.923	PP	721.9	6313.9
14.018	PP	1066.4	4534.9
14.207	PP	1493.3	12470.2
14.424	PP	468.7	2425.7
14.524	PP	1122.7	7224.2
14.679	PP	1092.7	4774.2

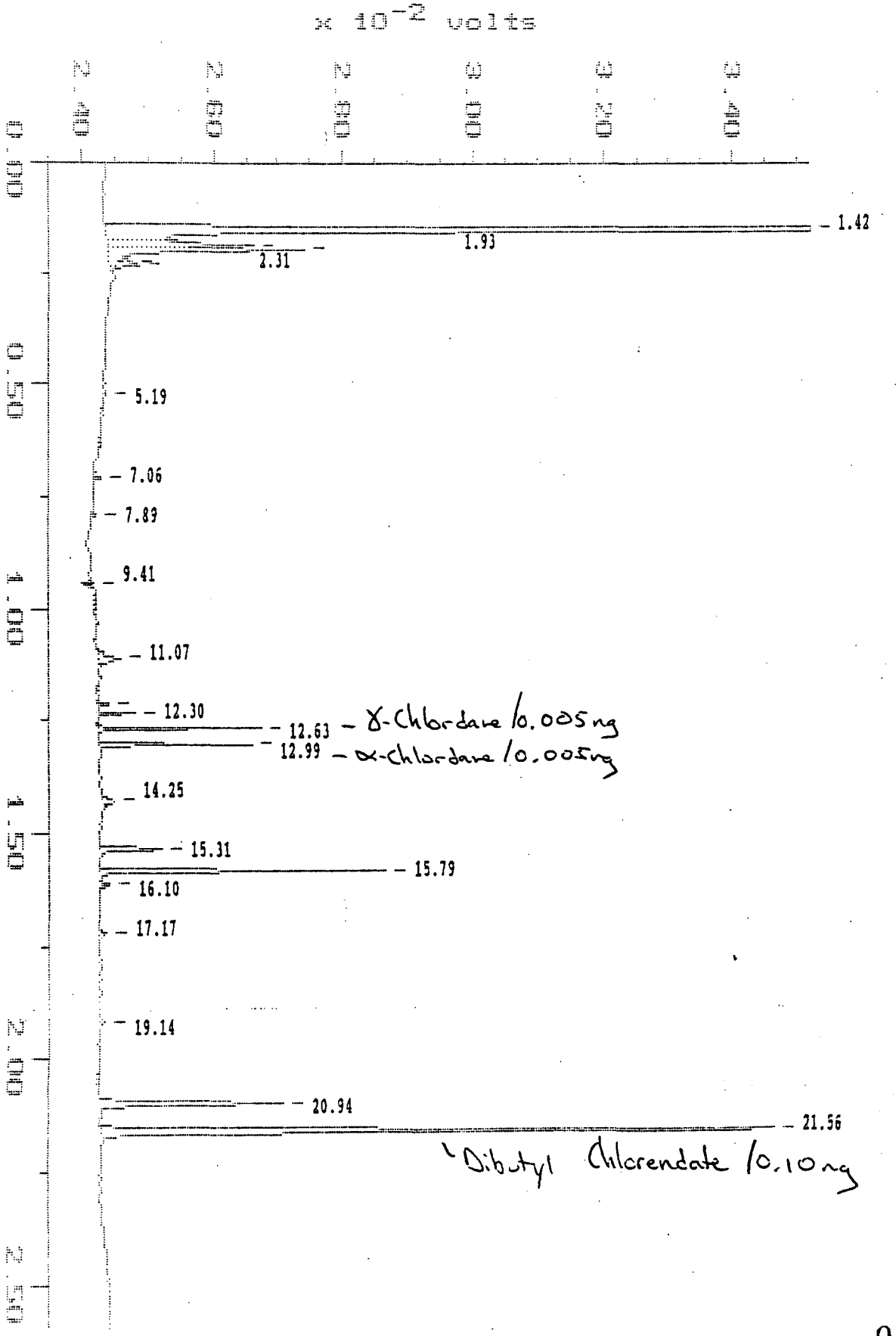
AF100506

14.757	PP	738.1	4328.0
14.919	PP	1869.2	12204.2
15.108	PP	1169.7	4796.7
15.291	PP	1261.5	11173.5
15.419	PP	865.7	5841.5
15.597	PP	747.0	3698.4
15.781	PP	5098.1	23701.0
16.009	PP	386.7	2145.3
16.120	PP	906.0	5351.5
16.304	PP	1084.3	10219.5
16.526	PP	1524.2	10058.8
16.771	PP	615.6	6072.6
17.094	PP	1189.0	9797.7
17.372	PP	732.7	6837.4
17.572	PP	732.7	3351.7
17.739	PP	1179.7	10129.9
18.067	PP	1540.7	10222.2
18.206	PP	441.3	3434.6
18.423	PP	1304.6	9864.9
18.562	SS	149.8	475.5
18.812	PP	294.9	2626.5
18.929	PP	459.4	2271.1
19.018	PP	443.7	5134.3
19.352	PP	424.4	2602.9
19.536	PP	683.1	3816.1
19.825	PP	567.0	3412.4
20.053	PP	98.1	461.2
20.248	PB	157.8	1018.0
20.743	BP	860.1	5307.2
20.926	PP	2860.3	17949.9
21.143	SV	184.2	924.0
21.277	VS	106.3	520.9
21.549	PP	11001.5	61926.1
21.727	SS	156.5	585.9
21.955	SV	622.4	3722.0
22.117	VS	173.6	956.9
22.289	PP	229.8	909.3
22.389	PP	193.7	863.0
22.550	PP	230.0	1951.9
22.767	PB	68.3	266.7
23.223	BB	58.1	497.0
23.529	BB	117.1	355.5
23.874	BP	166.1	673.1
23.974	PB	204.9	691.5
24.197	BP	50.7	220.4
24.308	PP	64.5	219.7
24.403	PP	88.0	333.9
24.525	PB	50.1	133.4
24.753	BB	55.9	193.0
24.970	BB	83.7	341.6

AF100506

TOTAL	76651.3	500067.8

Sample: CHLOR 0.005 ng Channel: ECD FSC RTx-5 Filename: AF100507
Acquired: 05-OCT-88 15:31 Method: C:\MAX\850\AF1005MA Operator: JWM
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000196

MAXIMA 820 CUSTOM REPORT

Printed: 6-OCT-1988 7:25:29

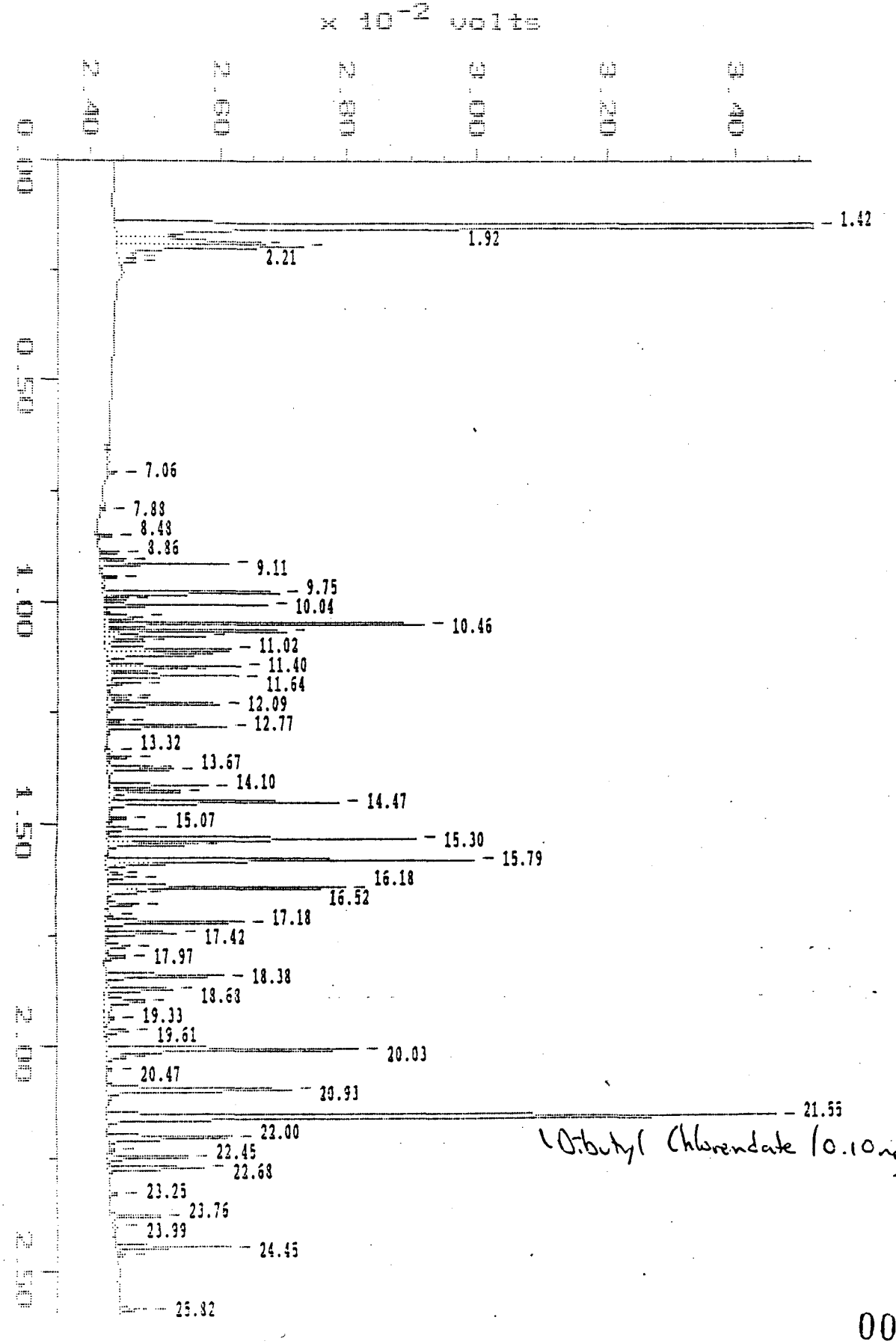
SAMPLE: CHLOR 0.005 ng
#7 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 5-OCT-1988 15:31
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: JWM

Type: UNKN
Instrument: HP950
Filename: AF100507
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.424	BP	16764.4	136639.7
1.841	PP	2227.3	13513.4
1.930	PB	3004.6	18793.1
2.231	SV	203.6	932.9
2.308	VS	330.9	1327.1
5.190	BB	46.1	1167.7
7.064	BB	116.1	468.7
7.888	BB	73.9	163.5
9.412	BB	110.7	30.7
11.075	BB	322.7	1196.0
12.087	BB	168.4	275.9
12.304	BB	539.8	1352.1
12.632	BB	2472.3	6440.7
12.994	BB	2329.2	6141.5
14.251	BB	168.7	1390.2
15.308	BB	917.1	4656.6
15.792	BB	4366.8	15401.8
16.103	BB	137.4	676.9
17.171	BB	102.3	415.8
19.135	BB	65.2	290.4
20.943	BB	2787.1	15410.4
21.560	BB	10278.2	55667.5
TOTAL		47532.9	282402.6

Sample: AR1660 0.1 ng Channel: ECD FSC RTx-5 Filename: AF100501
Acquired: 05-OCT-88 15:39 Method: C:\MAX\350\AF1005MA Operator: CWM
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #350. COLUMN: FSC RTx-5, ID #10227-846.



1-Octyl Chloroformate 10.10 ng

MAXIMA 820 CUSTOM REPORT

Printed: 6-OCT-1988 7:26:26

SAMPLE: AR1660 0.2 ng
#8 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 5-OCT-1988 15:59
Rate: 1.0 points/sec
Duration: 25.999 minutes
Operator: JWN

Type: UNKN
Instrument: HP850
Filename: AF100508
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

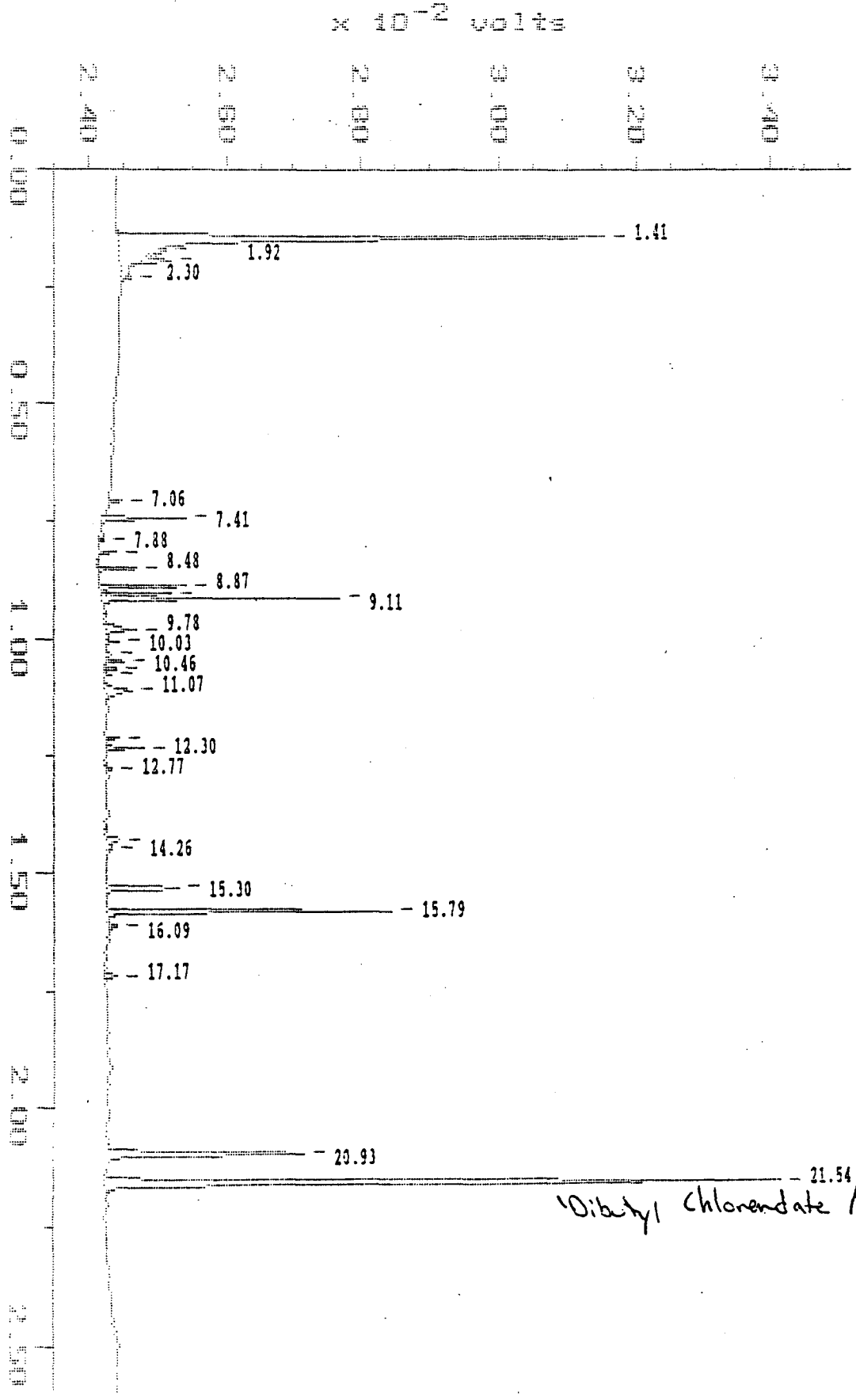
DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.424	BP	16142.1	132146.8
1.841	PP	2211.2	13899.8
1.925	PB	2916.5	17430.1
2.208	SV	119.3	530.0
2.303	VS	181.2	702.5
7.059	BB	133.6	325.4
7.877	BB	64.6	171.8
8.483	BB	222.3	586.6
8.861	BP	312.6	839.2
9.022	PP	417.8	1029.3
9.111	PB	1984.0	5252.9
9.417	BB	235.4	622.1
9.746	BP	2718.9	11779.6
9.907	SS	334.0	774.7
10.040	PP	2500.8	6723.9
10.302	PP	560.2	2238.9
10.458	PP	4964.9	16270.6
10.624	PP	2792.0	7649.3
10.747	PP	1545.1	4273.2
10.841	PP	584.1	1696.7
11.025	PP	1905.8	11305.4
11.170	PP	1345.0	5295.6
11.403	PP	2073.4	5494.9
11.470	PP	1227.5	4117.2
11.637	PP	2013.6	6937.6
11.804	PP	512.7	1694.5
12.087	PP	369.1	962.9
12.165	PP	310.7	957.9
12.265	PB	1723.8	6763.1
12.632	BP	275.1	816.8
12.766	PB	1837.8	5868.3
13.322	BP	93.5	294.5
13.461	PB	357.3	1077.7
13.673	BP	658.4	1778.5

AF100508

13.734	PB	999.6	3342.8
14.095	BP	1516.3	4995.9
14.234	PP	1077.7	4718.3
14.468	PB	3552.2	13711.3
14.841	BP	263.8	973.3
15.074	PP	596.3	2147.9
15.297	PP	4763.5	18958.7
15.425	PB	1364.8	5411.7
15.786	BP	5669.1	22668.1
15.831	SS	367.9	957.2
16.087	SV	155.7	571.4
16.176	VS	438.9	1926.2
16.415	PB	3677.6	17973.2
16.521	SS	150.2	398.5
16.788	BB	504.4	2098.0
17.044	BP	84.8	318.2
17.177	PP	2119.3	9123.1
17.422	PB	1069.3	4598.9
17.717	BB	359.8	1737.6
17.967	BB	292.9	1235.2
18.379	BB	1791.5	8463.7
18.679	BP	1005.4	4839.4
18.940	PP	582.6	4954.4
19.330	PB	145.1	896.3
19.613	BB	352.6	1999.8
20.025	BB	3872.2	21927.2
20.192	SS	128.2	520.3
20.470	BB	67.8	293.5
20.926	BB	2843.4	17084.3
21.549	BB	10249.9	55853.1
22.000	BB	1889.7	10905.3
22.289	BP	80.3	298.8
22.450	PP	1231.2	4951.5
22.684	PB	1456.4	6409.2
23.251	BB	128.5	432.6
23.757	BB	757.5	2683.4
23.986	BB	54.1	169.1
24.447	BB	1749.8	5967.5
24.631	SS	97.3	300.4
25.821	BB	399.0	1429.1
		---	---
TOTAL		113538.6	546583.0

Sample: AR1121 0.25 ng Channel: ECD FSC RTx-5 Filename: AF100805
Acquired: 05-OCT-88 16:32 Method: C:\MAR\350\AF1305MA Operator: SWM
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #350. COLUMN: FSC RTx-5, ID #10227-846.



Dibutyl Chlorendate 10.10 ng

SWM

MAXIMA 820 CUSTOM REPORT

Printed: 6-OCT-1988 7:28:16

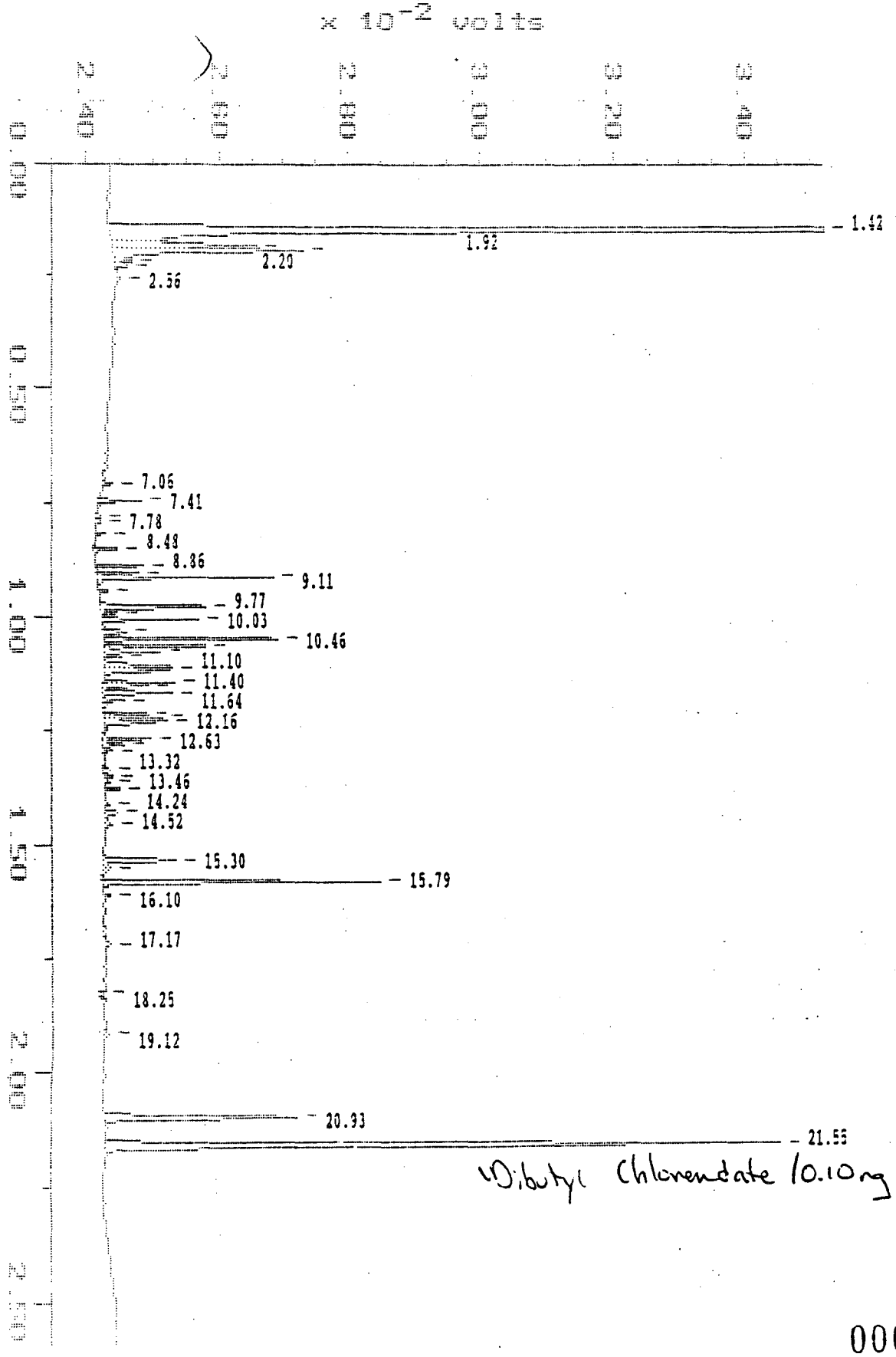
SAMPLE: AR1221 0.25 ng
#9 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 5-OCT-1988 16:32
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: JWM

Type: UNKN
Instrument: HP850
Filename: AF100509
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BB	7114.5	63386.7
1.719	SV	144.4	959.8
1.925	VS	454.7	2277.9
2.303	SS	117.3	724.5
7.059	BB	173.7	415.6
7.409	BB	1205.3	3919.8
7.877	BB	53.3	117.3
8.132	BB	266.6	833.5
8.483	BB	539.5	1550.8
8.867	BP	1249.7	3182.9
9.022	PP	1000.0	2421.8
9.111	PB	3461.2	9296.4
9.779	BP	451.9	2905.6
10.035	PB	180.7	466.7
10.302	BP	66.5	264.4
10.458	PP	252.8	842.6
10.624	PP	169.3	472.6
10.747	PB	86.9	202.2
11.069	BB	382.4	2877.0
12.082	BB	185.5	417.5
12.299	BB	551.9	1514.9
12.766	BB	71.4	327.3
14.262	BB	160.9	904.8
14.468	BB	61.9	196.2
15.297	BB	1045.8	5335.1
15.786	BB	4157.7	15204.2
16.092	BB	98.6	459.0
17.166	BB	167.3	737.1
20.926	BB	2861.3	16670.0
21.544	BB	9829.4	53678.0
TOTAL		36562.4	192561.9

Sample: AR1208 0.05 ng Channel: ECD FSC RTx-5 Filename: AF100513
Acquired: 13-OCT-88 17:05 Method: C:\MAR\350\AF100SMA Operator: JWM
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #350. COLUMN: FSC RTx-5, ID #10227-846.



Dibutyl Chlorendate 10.10 ng

MAXIMA 820 CUSTOM REPORT

Printed: 6-OCT-1988 7:29:54

SAMPLE: AR1232 0.25 ng
#10 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 5-OCT-1988 17:05
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: JWM

Type: UNKN
Instrument: HP850
Filename: AF100510
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

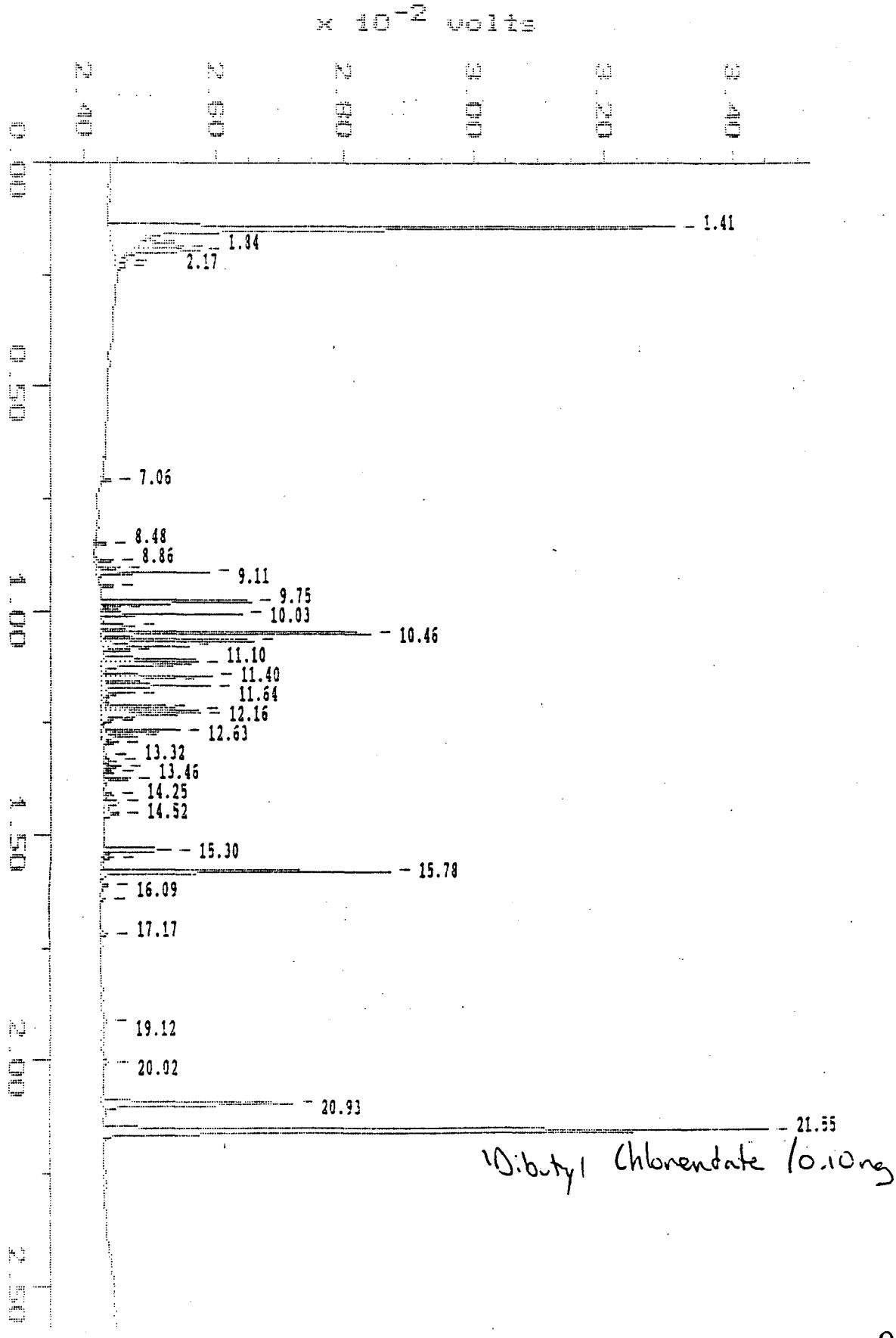
DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.424	BP	15526.2	127619.3
1.841	PP	2167.7	13493.3
1.925	PB	2912.8	16912.5
2.203	SV	132.4	648.9
2.308	VS	136.1	481.1
2.559	BB	56.0	467.5
7.059	BB	138.4	613.7
7.409	BB	667.2	2207.0
7.776	BP	49.6	247.5
7.877	PB	52.6	156.1
8.132	BB	156.3	560.2
8.483	BB	366.3	1014.1
8.861	BP	708.8	1739.1
9.022	PP	645.3	1562.4
9.111	PB	2655.5	7042.0
9.412	BB	125.9	340.2
9.768	BP	1584.1	7425.8
9.901	SS	180.5	428.1
10.035	PB	1462.2	3681.5
10.302	BP	334.9	1327.4
10.458	PP	2641.2	8661.0
10.624	PP	1539.7	4199.3
10.747	PP	853.8	2256.6
10.841	PP	255.8	668.6
11.103	PP	1003.4	6067.4
11.170	PB	687.4	2555.0
11.403	BP	1073.8	2767.2
11.470	PP	679.5	2188.6
11.637	PP	1011.4	3468.5
11.798	PP	302.3	944.6
12.087	PP	637.7	1677.2
12.160	PP	888.2	2577.1
12.249	PB	947.6	4836.3
12.632	BP	722.5	2438.5

AF100510

12.766	PP	305.3	1087.5
12.899	PB	134.3	416.6
13.322	BP	107.3	376.3
13.461	PP	137.4	469.4
13.584	PP	73.0	223.5
13.734	PB	234.0	731.1
14.084	BP	84.3	279.2
14.240	PP	183.0	1322.5
14.518	PB	107.2	559.3
15.302	BB	1056.2	5634.7
15.469	SS	67.7	286.1
15.786	BB	4222.0	14968.5
16.098	BB	83.1	382.7
17.171	BB	93.3	790.7
18.251	BB	69.9	143.9
19.124	BB	54.7	221.0
20.926	BB	2902.9	16443.4
21.549	BB	10125.6	54516.4
		---	---
TOTAL		63344.2	332176.6

Sample: AR1142 1.0 ng Channel: ECD FSC RTx-5 Filename: AF100511
Acquired: 05-OCT-11 17:39 Method: C:\MAIN\850\AF1005MA Operator: JWM
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



Dibutyl Chlorendate 10.10ng

MAXIMA 820 CUSTOM REPORT

Printed: 6-OCT-1988 7:31:34

SAMPLE: AR1242 0.2 ng
#11 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 5-OCT-1988 17:39
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: JWM

Type: UNKN
Instrument: HP850
Filename: AP100511
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

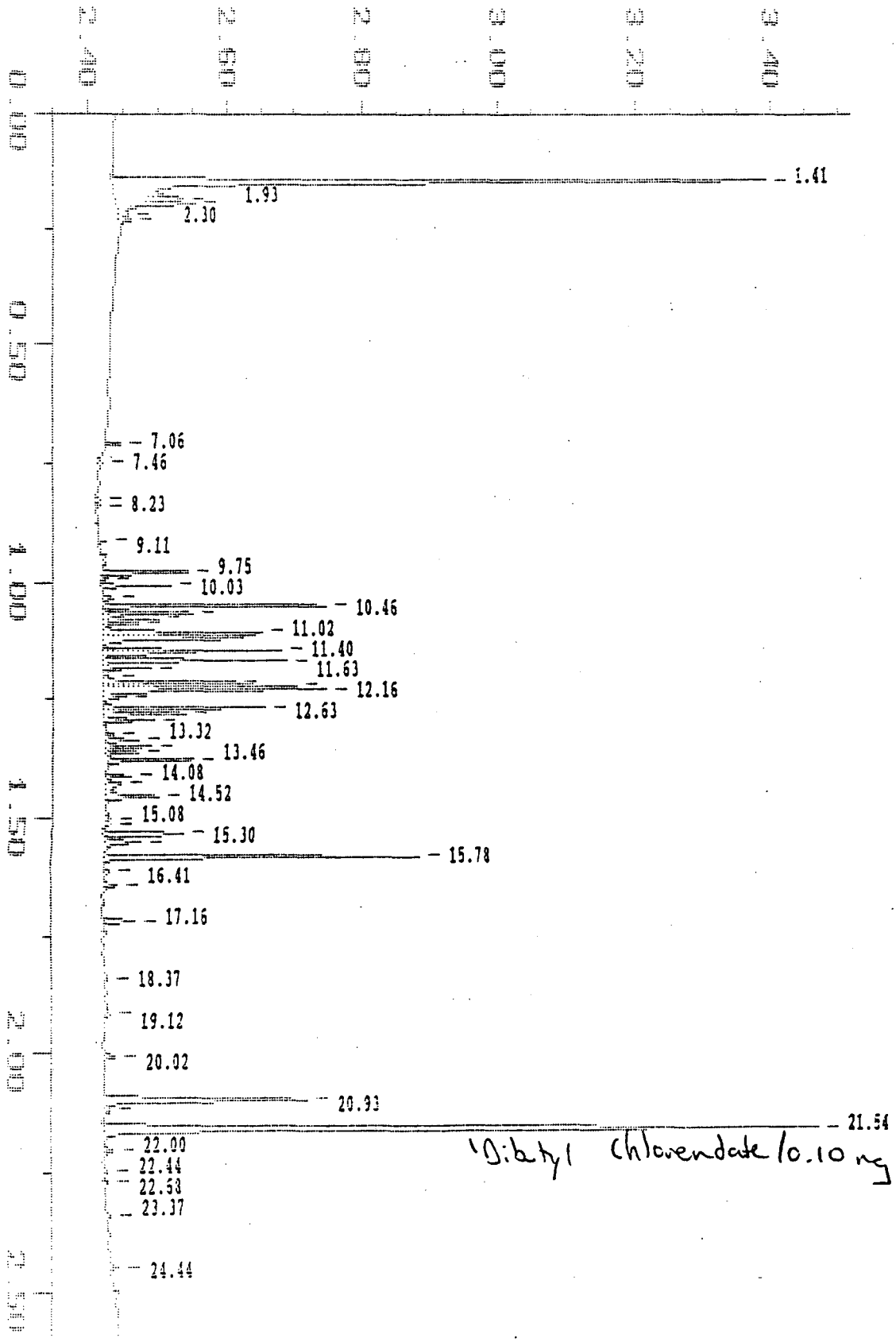
DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BB	8723.4	69996.2
1.724	SV	185.7	579.0
1.841	VV	705.0	4143.9
1.930	VS	1035.2	4523.0
2.175	SV	54.6	361.3
2.308	VS	100.3	381.1
7.059	BB	151.0	1215.2
8.483	BB	186.3	498.9
8.861	BP	259.5	747.5
9.022	PP	346.1	836.8
9.111	PB	1694.0	4445.0
9.417	BB	207.8	556.9
9.746	BP	2314.8	9968.5
9.901	SS	269.4	620.0
10.035	PP	2153.2	5508.4
10.302	PP	488.5	1919.7
10.458	PP	4103.8	13312.7
10.624	PP	2316.8	6241.3
10.747	PP	1303.1	3438.1
10.841	PP	418.9	1098.3
11.103	PP	1483.4	8621.3
11.170	PP	1082.9	4534.3
11.403	PP	1699.0	4501.8
11.470	PP	1100.5	3696.4
11.637	PP	1670.1	6034.9
11.798	PP	516.9	1948.5
12.087	PP	978.5	2836.0
12.160	PP	1462.5	4347.1
12.249	PP	1524.4	7572.5
12.410	SS	89.4	276.0
12.632	PP	1169.3	3874.9
12.766	PP	518.7	1932.1
12.899	PB	246.4	845.1
13.183	BP	45.7	129.6

AFIC0511

13.322	PP	186.9	665.8
13.456	PP	240.4	801.9
13.584	PP	134.6	373.6
13.734	PB	401.4	1307.0
14.084	BP	151.8	498.5
14.251	PP	212.6	1824.8
14.513	PB	238.1	1335.9
15.302	BB	1035.1	5564.1
15.469	SS	128.0	563.8
15.781	BB	4396.6	15902.7
16.092	BB	90.7	387.5
16.409	BB	57.1	258.4
17.166	BB	120.9	505.9
19.124	BB	53.2	236.0
20.019	BB	58.8	259.0
20.926	BB	2872.5	16120.9
21.549	BB	10153.9	55292.3
		---	---
TOTAL		61137.6	283490.3

Sample: AR1048 0.1 ng Channel: ECD FSC RTx-5 Filename: AF100511
Acquired: 05-OCT-88 18:12 Method: C:\MAR\850\AF1005MA Operator: JWM
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



Dibutyl Chlorendate 10.10 ng

MAXIMA 820 CUSTOM REPORT

Printed: 6-OCT-1988 7:33:17

SAMPLE: AR1248 0.2 ng
#12 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 5-OCT-1988 18:12
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: JWM

Type: UNKN
Instrument: HP850
Filename: AF100512
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

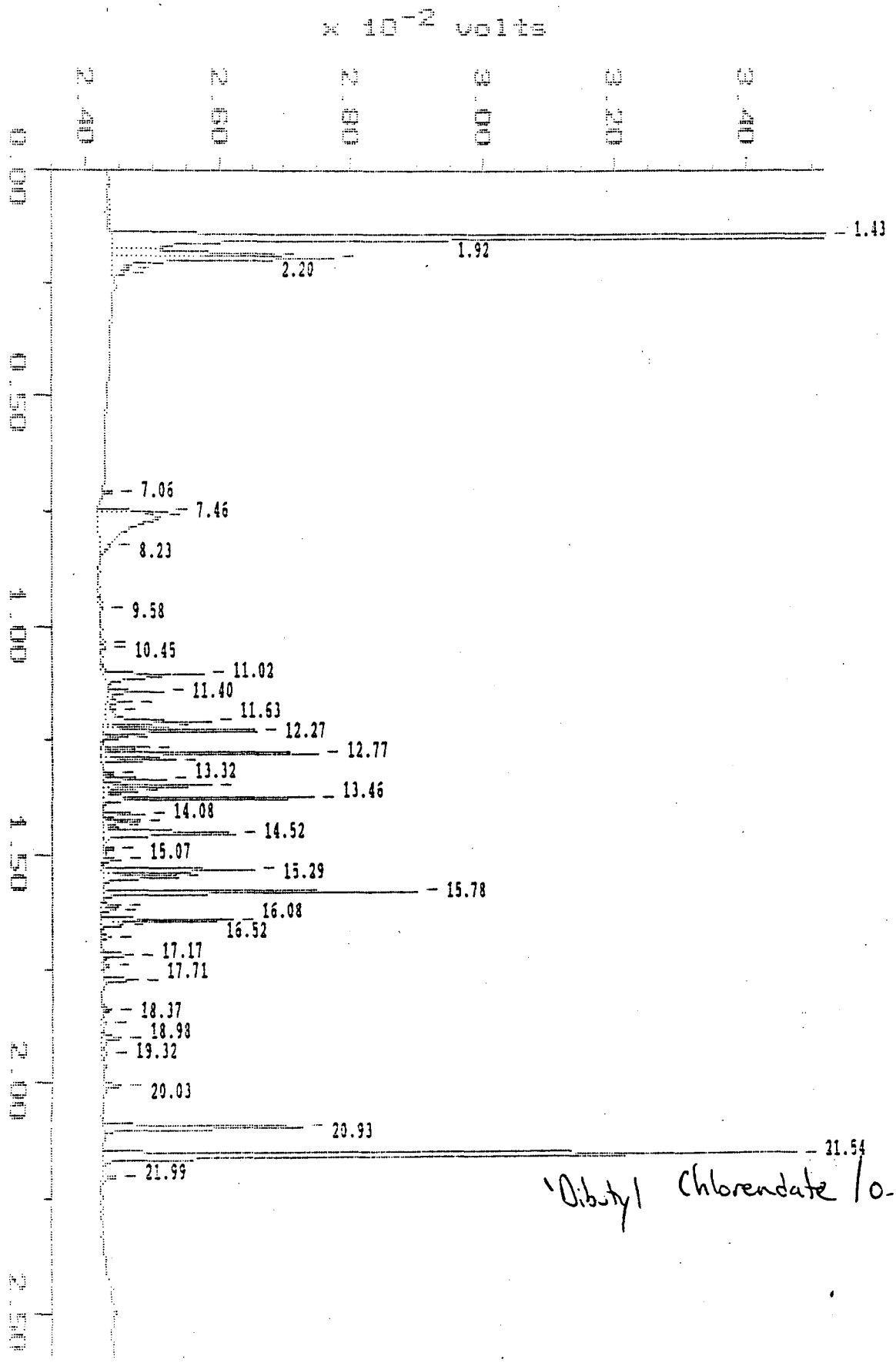
DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BB	9548.3	74141.5
1.841	SV	571.6	3913.6
1.930	VS	838.5	3515.8
2.181	SV	54.0	338.3
2.297	VS	116.3	474.3
7.059	BB	225.1	554.4
7.459	BB	78.9	179.9
8.233	BP	59.6	229.1
8.355	PB	60.0	184.6
9.111	BB	114.8	219.2
9.746	BP	1244.9	4937.1
9.901	SS	64.4	162.0
10.035	PB	972.4	2465.8
10.302	BP	155.8	485.9
10.458	PP	3256.3	10721.7
10.624	PP	1326.6	3800.4
10.747	PP	794.6	2379.1
10.841	PP	524.5	1521.7
11.025	PP	2313.4	13305.6
11.164	PP	1733.5	6626.7
11.403	PP	2606.4	6674.6
11.464	PP	1354.5	4205.6
11.631	PP	2661.0	9060.0
11.798	PP	700.7	2263.3
12.004	PP	157.4	436.3
12.087	PP	1937.4	5389.4
12.160	PP	2908.1	8104.9
12.249	PP	3251.9	13469.5
12.404	SS	213.3	656.5
12.632	PP	2340.9	7625.5
12.766	PP	1188.3	4255.9
12.899	PB	700.2	2214.4
13.183	BP	99.9	280.8
13.322	PP	473.0	1718.7

AP-100512

13.456	PP	626.8	2057.8
13.584	PP	453.8	1436.7
13.739	PB	1254.2	4620.0
14.084	BP	353.2	1178.7
14.240	PP	242.0	1936.5
14.518	PB	777.7	3732.9
14.991	BP	57.9	261.8
15.080	PP	71.2	212.3
15.297	PP	1148.6	5666.6
15.464	PB	507.4	2388.4
15.781	BB	4531.2	16153.9
16.081	BB	75.0	265.0
16.415	BB	178.2	704.1
17.160	BB	430.8	1760.5
18.367	BB	53.3	242.4
19.124	BB	54.8	570.4
20.019	BB	155.7	820.6
20.926	BB	2899.6	16520.5
21.143	SS	58.7	329.1
21.544	BB	10372.4	56473.0
22.000	BB	92.0	490.1
22.445	BB	57.8	231.4
22.684	BB	59.2	210.3
23.374	BB	73.0	406.5
24.442a	BB	122.2	366.8
TOTAL		69275.3	315538.2

Sample: AR1234 0.43 ng Channel: ECD FSC RTx-5 Filename: AF100613
Acquired: 06-OCT-88 18:45 Method: C:\MAF\850\AF1006MA Operator: JWM
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



'Dibutyl Chlorendate /0.10ng

000212

MAXIMA 820 CUSTOM REPORT

Printed: 6-OCT-1988 7:35:00

SAMPLE: AR1254 0.48 ng
#13 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 5-OCT-1988 18:45
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: JWM

Type: UNKN
Instrument: HP850
Filename: AF100513
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.430	BP	13727.2	112882.7
1.841	PP	2453.2	14265.3
1.925	PB	3352.2	19797.3
2.197	SV	115.8	583.5
2.297	VS	124.9	483.0
7.059	BB	159.1	530.2
7.465	BP	1032.7	3561.8
7.576	PB	908.5	20286.0
8.233	SS	49.0	153.3
9.579	BB	65.3	896.4
10.335	BP	52.5	308.2
10.446	PB	64.1	243.9
11.025	BB	1485.1	7661.8
11.403	BP	814.4	2691.4
11.631	PP	372.6	1451.7
11.798	PP	154.7	881.5
12.065	PP	1588.8	7360.9
12.160	PP	969.9	2880.5
12.265	PP	2317.4	8602.8
12.404	PP	379.3	1282.4
12.632	PP	712.5	2218.6
12.766	PP	3271.2	10425.5
12.899	PP	1101.6	3545.9
13.183	PP	172.6	506.3
13.322	PP	928.9	3124.1
13.456	PP	1627.7	5344.3
13.584	PP	518.9	1621.7
13.734	PB	3158.6	10783.3
14.084	BP	616.9	1966.7
14.229	PP	539.2	2296.0
14.357	PP	205.2	740.3
14.518	PB	1984.0	11238.6
14.835	BP	158.7	610.2
15.074	PP	250.0	1036.3

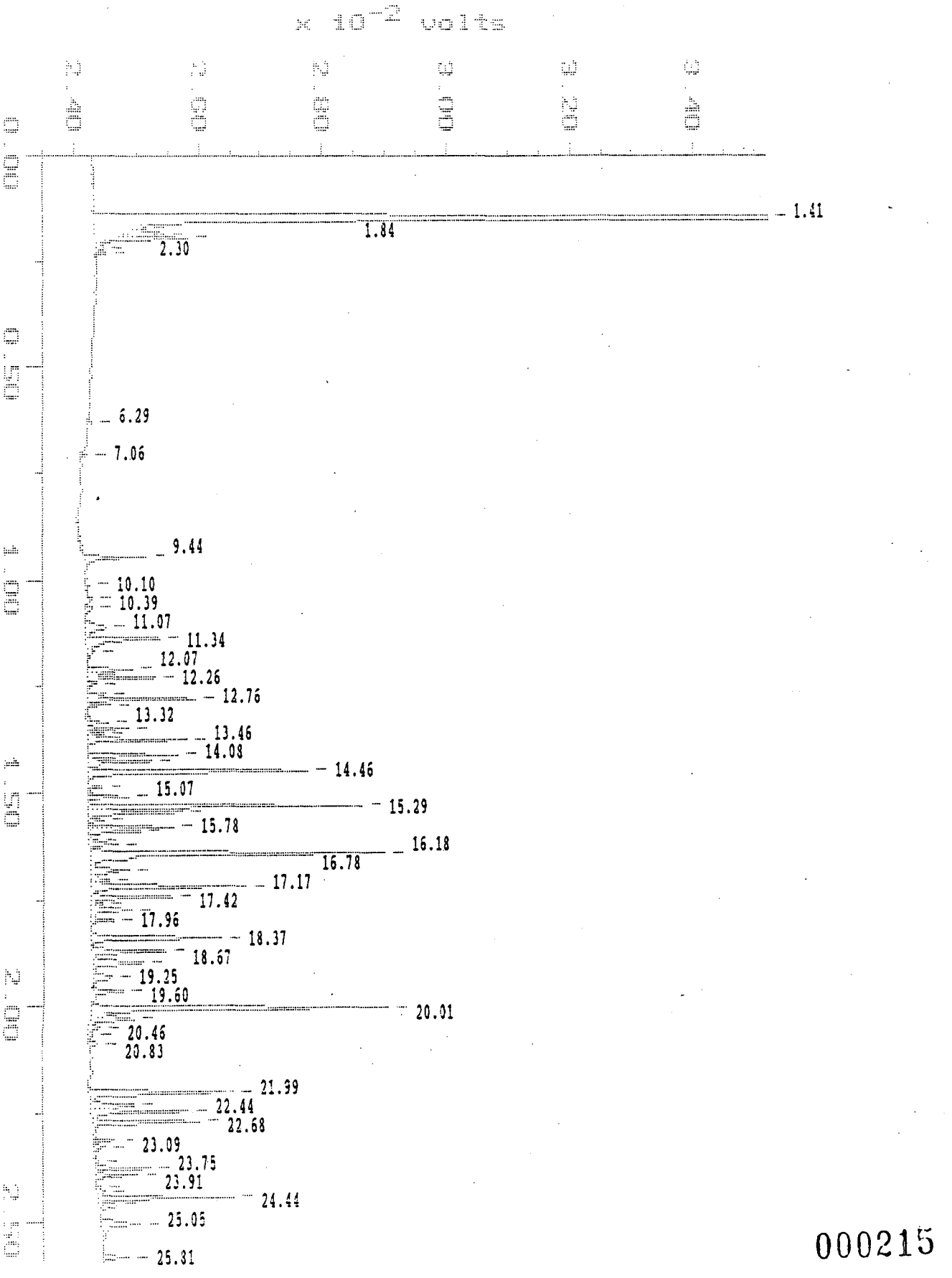
AF1C0513

~~AF1C0513~~

15.291	PP	2272.7	9716.1
15.447	PB	1114.8	6274.1
15.781	BP	4711.3	17159.1
16.081	SV	295.4	1227.8
16.181	VS	204.0	864.4
16.415	PB	1974.3	9685.5
16.515	SS	123.3	376.1
16.777	BB	165.9	669.0
17.166	BB	457.9	2332.3
17.422	BB	90.2	366.8
17.705	BB	504.4	2499.4
18.373	BB	116.2	536.8
18.684	BB	71.3	319.8
18.985	BB	271.1	1847.3
19.324	BB	59.4	512.5
20.025	BB	263.9	1313.4
20.926	BB	2976.8	16563.0
21.544	BB	10414.0	55906.0
21.994	BB	211.1	1204.7
		---	---
TOTAL		71730.9	391640.6

7262

Sample: 88891 1:100 Channel: ECD FSC RTx-5 Filename: AF100535
Acquired: 06-OCT-88 6:52 Method: C:\MAK\850\AF1005MA Operator: JWM
Dilution: 1 : 100.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000215

MAXIMA 820 CUSTOM REPORT

Printed: 6-OCT-1988 8:08:04

SAMPLE: 88891 1:100
#35 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 6-OCT-1988 6:52
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: JWM

Type: UNKN
Instrument: HP850
Filename: AF100535
Index: Disk
Injection Volume: 1.0
Dilution: 100.000

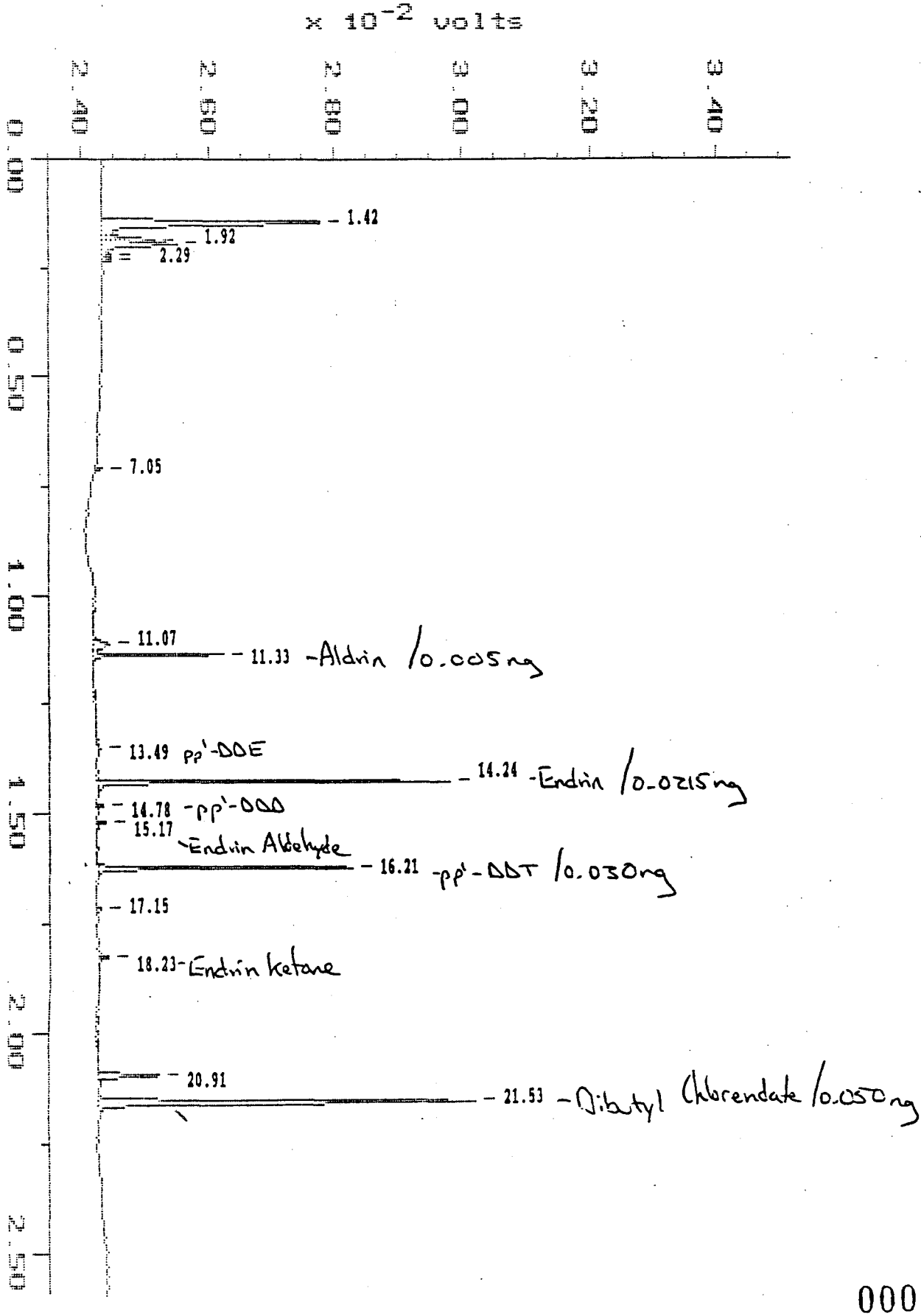
DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BB	24326.0	183142.9
1.719	SV	170.6	540.9
1.841	VV	661.6	3684.3
1.925	VS	1155.7	4717.1
2.175	SV	50.2	221.9
2.297	VS	122.9	456.6
6.286	BB	52.8	144.7
7.059	BB	83.2	183.5
9.440	BB	964.9	2999.2
10.096	BB	45.8	271.9
10.385	BB	75.1	198.4
10.630	BB	93.7	322.3
11.069	BP	317.8	3396.9
11.336	PB	1148.5	7127.0
11.631	SS	55.1	222.6
12.065	BP	729.2	2633.0
12.260	PB	1067.4	5311.3
12.404	SS	93.5	298.1
12.627	BP	307.8	758.3
12.760	PP	1726.6	6129.4
12.894	PB	380.8	1094.2
13.317	BP	344.6	1255.3
13.456	PP	645.9	2126.1
13.578	PP	277.0	903.4
13.728	PP	1607.9	6984.1
14.084	PP	1456.7	4844.4
14.229	PP	1009.7	4712.2
14.463	PB	3495.2	16394.7
14.830	BP	229.7	879.7
15.069	PP	650.6	2532.0
15.286	PP	4400.3	16223.8
15.425	PP	1516.6	7681.2
15.620	PP	241.9	885.5
15.781	PP	1367.0	4932.6

AF-100535

15.875	PP	829.5	3311.8
16.070	PP	138.3	495.0
16.176	PP	433.6	1714.3
16.404	PP	4705.4	26693.6
16.782	PP	603.7	3761.5
17.027	PP	278.5	1672.5
17.171	PP	2481.9	11612.9
17.416	PP	1284.6	5813.2
17.583	PP	177.9	944.1
17.705	PP	627.5	3682.6
17.956	PB	367.2	1598.6
18.367	BP	2081.0	10099.8
18.673	PP	1155.3	5471.5
18.935	PP	790.0	5682.9
19.246	PB	283.6	2547.6
19.602	BB	469.3	2385.1
20.014	BP	4766.0	28402.1
20.270	SS	550.9	3367.6
20.464	SV	94.5	501.3
20.642	VS	67.5	411.9
20.826	PB	116.6	573.4
21.989	BP	2267.4	13102.1
22.283	PP	682.0	4470.3
22.439	PP	1506.2	7000.4
22.678	PB	1670.2	7500.7
23.090	BP	328.4	1096.5
23.246	PB	164.7	671.6
23.585	BP	56.0	138.4
23.752	PP	884.7	3170.1
23.908	PB	661.7	2401.0
24.197	BP	73.6	198.0
24.286	PP	113.1	480.0
24.436	PB	2162.2	8020.3
24.597	SS	209.9	1391.6
25.048	BB	583.3	4399.0
25.810	BD	425.0	1513.6
		---	---
TOTAL		84963.3	470506.2

Sample: EVAL B Channel: ECD FSC RTx-5 Filename: AF100537
Acquired: 06-OCT-88 8:00 Method: C:\MAX\850\AF1005MA Operator: JWM
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000218

MAXIMA 820 CUSTOM REPORT

Printed: 6-OCT-1988 10:44:11

SAMPLE: EVAL B
#37 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 6-OCT-1988 8:00
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: JWM

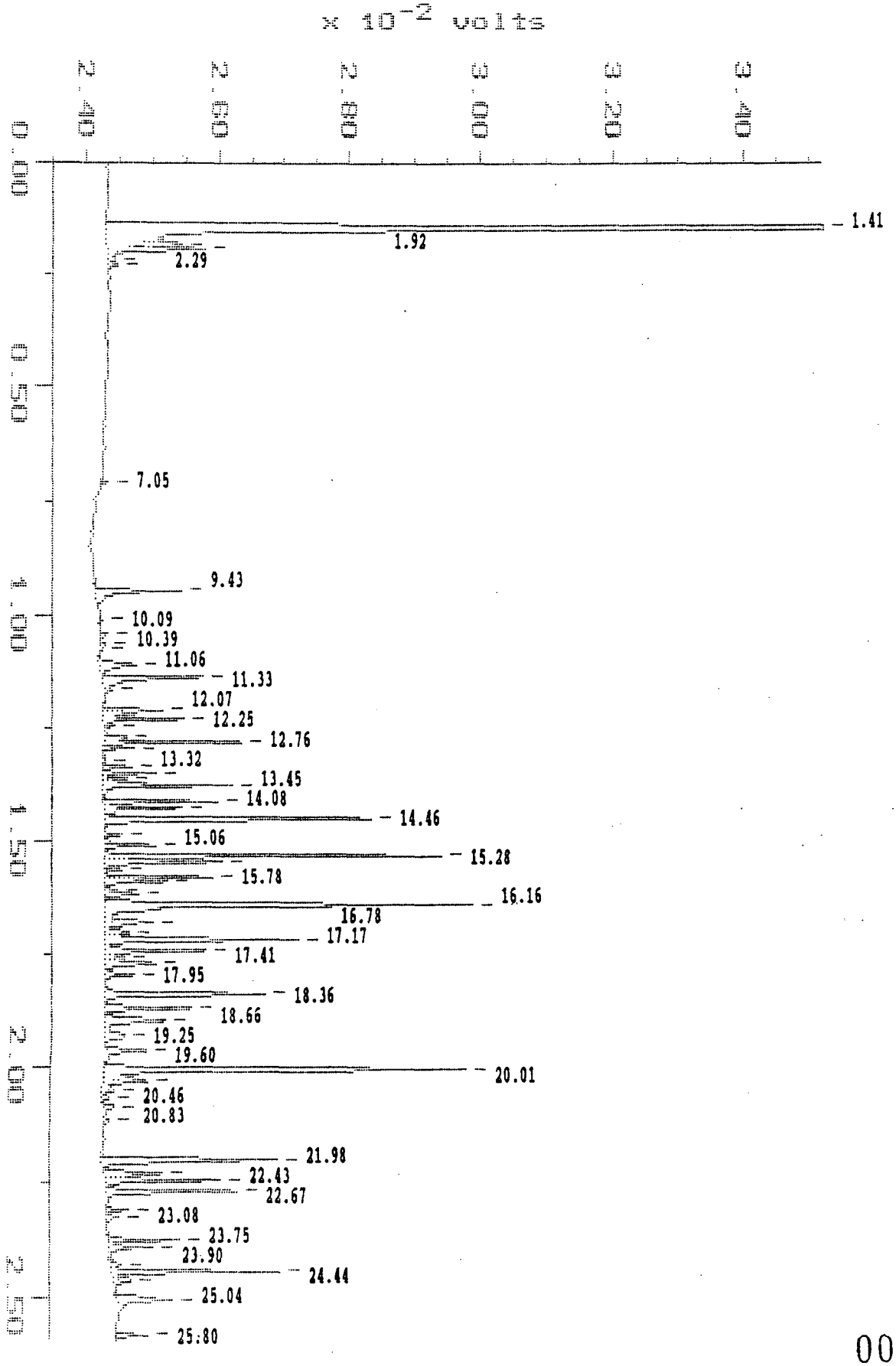
Type: UNKN
Instrument: HP850
Filename: AF100537
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.424	BP	3446.0	28824.2
1.836	PP	838.6	4948.0
1.925	PB	1203.7	7395.7
2.186	SV	59.0	297.6
2.292	VS	103.0	433.1
7.053	BB	127.0	297.3
11.069	BP	257.6	2845.2
11.331	PB	2051.9	4940.3
13.489	BB	59.0	359.3
14.240	BB	5553.2	16824.2
14.780	BB	82.4	278.1
15.169	BB	148.1	626.3
16.209	BB	4008.3	14205.9
17.149	BB	68.2	296.7
18.228	BB	152.1	666.9
20.909	BB	907.8	4515.9
21.527	BB	5875.1	32411.6
TOTAL		24941.0	120166.4

7262 MS

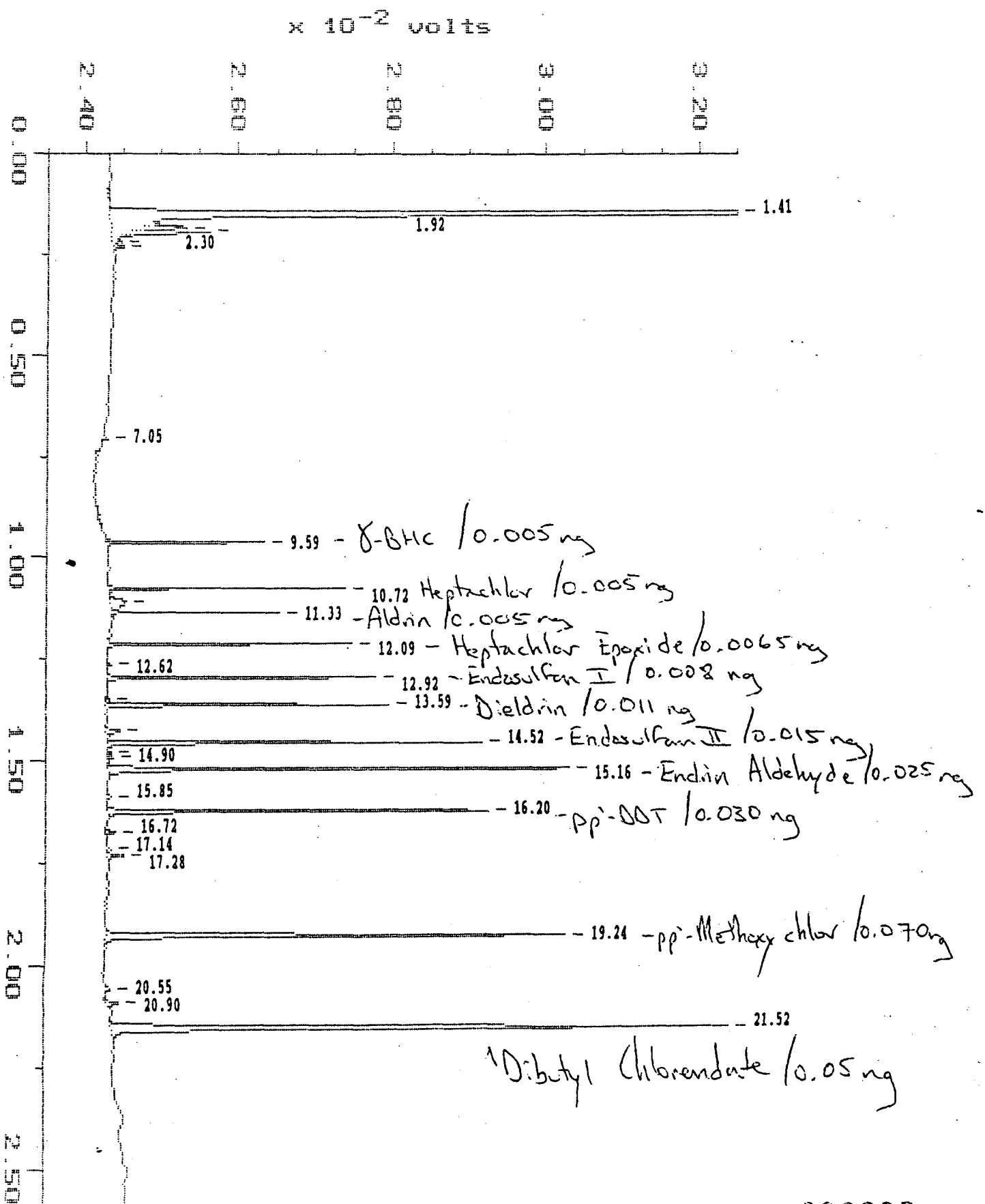
Sample: M88891 1:100 Channel: ECD FSC RTx-5 Filename: AF100538
Acquired: 06-OCT-88 8:33 Method: C:\MAX\850\AF1005MA Operator: JWM
Dilution: 1 : 100.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000220

15.870	PP	957.3	3811.7
16.065	PP	169.0	608.8
16.165	PP	513.6	2091.2
16.398	PP	5546.6	32896.3
16.777	SS	639.8	3310.4
17.010	PP	365.0	2231.5
17.166	PP	2898.2	13954.1
17.405	PP	1502.8	6896.7
17.566	PP	284.7	1573.8
17.694	PP	762.5	4539.2
17.950	PB	414.6	1945.8
18.362	BP	2424.1	11799.5
18.662	PP	1313.4	6072.0
18.929	PP	912.4	6592.2
19.252	PB	283.2	2810.2
19.597	BB	571.1	3014.7
20.008	BP	5473.7	32058.1
20.264	SS	491.6	3140.1
20.459	SV	101.0	573.8
20.626	VS	65.3	340.7
20.826	PB	145.9	737.0
21.138	BB	60.2	343.4
21.983	BP	2587.8	14763.7
22.272	PP	841.1	5195.6
22.434	PP	1675.4	7568.3
22.673	PB	1929.0	8635.1
23.084	BP	322.9	1126.5
23.240	PB	176.9	688.9
23.746	BP	1052.9	3860.6
23.902	PB	642.2	2524.4
24.280	BP	123.9	616.4
24.436	PB	2477.6	9082.4
24.625	SS	206.6	1372.7
25.042	BB	764.6	4537.0
25.804	BD	486.4	1665.6
		---	---
TOTAL		94281.2	512983.5

Sample: IND A 50% Channel: ECD FSC RTx-5 Filename: AF100567
Acquired: 07-OCT-88 1:07 Method: C:\MAX\850\AF1005MB Operator: JWM
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:32:59

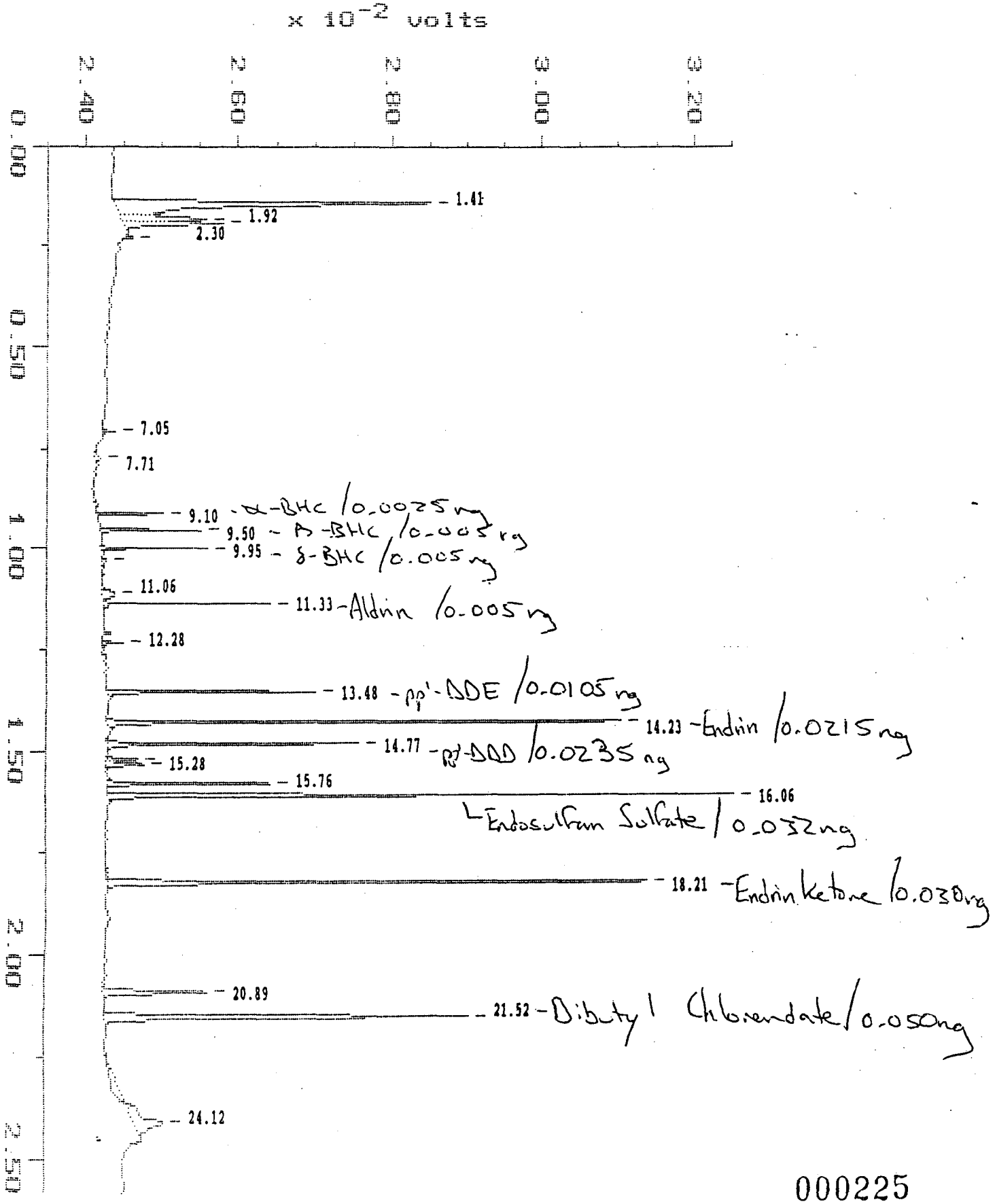
SAMPLE: IND A 50%
#2 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 7-OCT-1988 1:07
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: JWM

Type: UNKN
Instrument: HP850
Filename: AF100567
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BB	16613.1	128300.1
1.836	SV	625.1	3773.3
1.925	VS	1032.6	4285.5
2.192	SV	60.6	281.5
2.297	VS	115.6	477.3
7.048	BB	80.3	179.3
9.590	BB	2062.0	3279.9
10.719	BB	3083.7	6705.1
11.058	BP	201.8	2656.6
11.325	PB	2176.2	4706.3
12.093	BB	3172.4	7497.4
12.616	BB	46.1	220.6
12.916	BB	3478.9	8984.4
13.484	BP	49.2	123.6
13.595	PB	3663.2	10030.9
14.234	BB	180.6	1037.2
14.518	BB	4847.5	14871.3
14.774	BP	65.6	164.7
14.896	PP	64.0	179.6
15.158	PB	5991.6	21891.5
15.848	BB	50.9	223.9
16.198	BB	4940.6	17695.1
16.721	BB	138.4	537.0
17.144	BP	55.9	200.0
17.283	PB	200.9	823.3
19.235	BB	5948.4	27835.0
20.548	BB	62.0	306.4
20.898	BB	159.3	906.8
21.516	BB	7971.0	43891.3
TOTAL		67137.6	312064.9

Sample: IND B 50% Channel: ECD FSC RTx-5 Filename: AF100568
Acquired: 07-OCT-88 1:40 Method: C:\MAX\850\AF1005MB Operator: JWM
Dilution: 1 : 1.000 Inj Vol: 1.00
Comments: HP #850. COLUMN: FSC RTx-5, ID #10227-846.



000225

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:33:47

SAMPLE: IND B 50%
#3 in Method: COLUMN: FSC RTx-5 ID #10227-846
Acquired: 7-OCT-1988 1:40
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: JWM

Type: UNKN
Instrument: HP850
Filename: AF100568
Index: Disk
Injection Volume: 1.0
Dilution: 1.000

DETECTOR: ECD FSC RTx-5

Retention Time (minutes)	Type	Peak Height	Peak Area
1.413	BP	4134.8	38785.3
1.836	PP	1120.3	7561.3
1.925	PB	1316.5	6255.4
2.303	BB	101.3	183.8
7.048	BB	162.4	443.9
7.710	BB	58.3	362.4
9.100	BB	869.0	1917.0
9.501	BB	1304.6	2817.6
9.951	BB	1373.2	2742.0
10.252	BB	56.1	533.8
11.064	BP	166.5	1973.9
11.325	PB	2193.2	4795.7
12.282	BB	279.9	689.2
13.478	BB	2718.1	7707.4
14.229	BB	6712.2	19923.8
14.768	BB	3270.1	10528.6
15.158	BP	394.0	1486.1
15.280	PB	472.2	2482.9
15.764	BB	2141.6	7925.4
16.065	BB	8235.8	29016.0
18.212	BB	7053.9	28096.8
20.893	BB	1327.6	7566.5
21.516	BB	4709.8	25935.1
24.125	BB	381.5	3559.3
TOTAL		50553.1	213288.9

Pesticide Evaluation Standards Summary
(Page 1)

EPA Case No: 14944 Region: LMS

Laboratory: Aquatec, Inc.

Contract No: —

GC Column: FSC RTX-35

Date of Analysis: 04-OCT-88

Instrument ID: 764 COLUMN # 16

Evaluation Check for Linearity

Laboratory ID	EVALUATION MIX A	EVALUATION MIX B	EVALUATION MIX C	
Pesticide	Calibration Factor Eval Mix A	Calibration Factor Eval Mix B	Calibration Factor Eval Mix C	% RSD (≤ 10%)
Aldrin	238.8	256.6	267.4	5.7
Endrin	213.9	240.4	257.2	9.2
4,4'-DDT(1)	172.9	191.4	209.3	9.5
Dibutyl Chlorendate	173.9	190.8	198.9	6.8

Evaluation Check for 4,4'-DDT/Endrin Breakdown
(percent breakdown expressed as total degradation)

	Laboratory ID	Time of Analysis	Endrin	4,4'-DDT	Combined(2)
Eval Mix B 72 Hour	Eval Mix B	15:28	< 1%	< 1%	
Eval Mix B	Eval Mix B	04:36	< 1%	< 1%	
Eval Mix B	Eval Mix B	12:36	< 1%	< 1%	
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					

(1) See Exhibit E, Section 7.5.4
(2) See Exhibit E, Section 7.3.1.2.2.1

000227

Pesticide Evaluation Standards Summary
(Page 2)

Evaluation of Retention Time Shift for Dibutyl Chlorendate
Report all standards, blanks, and samples

SMO Sample No.	Lab ID	Time of Analysis	Percent Diff.	SMO Sample No.	Lab ID	Time of Analysis	Percent Diff.
EVALB	Evaluation mix	b 15:28	-------				
EVALC	Evaluation mix	c 15:59	-0.03				
EVALA	Evaluation mix	a 16:30	-0.19				
INDB	Pesticide mix b	19:24	-0.16				
INDA	Pesticide mix a	19:55	-0.13				
TOXAPH	Toxaphene 400	c 20:56	-0.13				
CHLOR	Chlordane 100	c 21:26	-0.13				
AR1660	Aroclor 1016/1260	c 21:57	-0.13				
AR1221	Aroclor 1221 250	c 22:28	-0.13				
AR1232	Aroclor 1232 150	c 22:58	-0.13				
AR1242	Aroclor 1242 100	c 23:29	-0.13				
AR1248	Aroclor 1248 100	c 00:00	-0.13				
AR1254	Aroclor 1254 150	c 00:30	-0.13				
PBLKW6	B092088W6	P 01:32	-0.10				
PBLKS1	B092088S1 1:5	02:02	-0.10				
7262	88891 1:50	02:33	-0.19				
7262	88891 1:10	03:34	-0.22				
EVALB	Evaluation mix	b 04:36	-0.13				
FIELD BLK	88886	05:07	-0.13				
7262MS	M88891 1:10	06:08	-0.26				
7262	88891 1:5	06:39	-0.26				
7262MS	M88891 1:5	07:10	-0.26				
INDA	Pesticide mix a	08:12	-0.13				
7262MS	M88891 1:50	11:34	-0.26				
EVALB	Evaluation mix	b 12:36	-0.19				
INDB	Pesticide mix b	16:45	-0.16				
INDA	Pesticide mix a	17:36	-0.22				

E = Percent difference calculated using Endrin Ketone

ETR

PESTICIDE/PCB STANDARDS SUMMARY

Case No. 14944
Contract No. [redacted]

Laboratory Aquatec, Inc.
GC Column FSC RTX-35 GC Instrument ID 764

Column # 16

000229

	DATE OF ANALYSIS 04-OCT-88 TIME OF ANALYSIS 19:55 LABORATORY ID Pesticide mix a 50%				DATE OF ANALYSIS 05-OCT-88 TIME OF ANALYSIS 08:12 LABORATORY ID Pesticide mix a 50%			
COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF.**
alpha-BHC								
beta-BHC								
delta-BHC								
gamma-BHC	6.836	+/-0.02	174.0	CONF.	6.836	198.2	CONF.	-13.9
Heptachlor	7.810	+/-0.02	328.1	CONF.	7.815	351.9	CONF.	-7.3
Aldrin	8.622	+/-0.02	255.6	CONF.	8.622	280.6	CONF.	-9.8
Heptachlor Epoxide	10.268	+/-0.03	270.2	CONF.	10.268	292.3	CONF.	-8.2
Endosulfan I	11.281	+/-0.03	242.1	CONF.	11.286	261.1	CONF.	-7.9
Dieldrin	12.210	+/-0.04	236.4	CONF.	12.210	254.7	CONF.	-7.7
4,4'-DDE								
Endrin								
Endosulfan II	13.851	+/-0.04	224.9	CONF.	13.851	251.1	CONF.	-11.6
4,4'-DDD								
Endrin Aldehyde	14.880	+/-0.04	193.0	CONF.	14.880	205.1	CONF.	-6.3
Endosulfan Sulfate								
4,4'-DDT	15.136	+/-0.04	199.4	CONF.	15.136	214.0	CONF.	-7.3
Methoxyclor	17.950	+/-0.04	134.5	CONF.	17.950	142.0	CONF.	-5.6
Endrin Ketone								
Tech. Chlordane								
alpha-Chlordane*								
gamma-Chlordane*								
Toxaphene								
Aroclor - 1016								
Aroclor - 1221								
Aroclor - 1232								
Aroclor - 1242								
Aroclor - 1248								
Aroclor - 1254								
Aroclor - 1260								

* SEE EXHIBIT B, PART / / 12-OCT-88 12:59:01 /

** CONF. = CONFIRMATION (<20% DIFFERENCE)
** QUANT. = QUANTITATION (<15% DIFFERENCE)

ETR

PESTICIDE/PCB STANDARDS SUMMARY

Case No. 14944 Laboratory Aquatec, Inc. Column # 16
Contract No. [redacted] GC Column FSC RTX-35 GC Instrument ID 764

0002230

	DATE OF ANALYSIS 04-OCT-88 TIME OF ANALYSIS 19:55 LABORATORY ID Pesticide mix a 50%				DATE OF ANALYSIS 05-OCT-88 TIME OF ANALYSIS 17:36 LABORATORY ID Pesticide mix a 50%			
COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF.**
alpha-BHC								
beta-BHC								
delta-BHC								
gamma-BHC	6.836	+/-0.02	174.0	CONF.	6.853	192.1	CONF.	-10.4
Heptachlor	7.810	+/-0.02	328.1	CONF.	7.832	344.5	CONF.	-5.0 ++
Aldrin	8.622	+/-0.02	255.6	CONF.	8.639	262.8	CONF.	-2.8
Heptachlor Epoxide	10.268	+/-0.03	270.2	CONF.	10.285	274.0	CONF.	-1.4
Endosulfan I	11.281	+/-0.03	242.1	CONF.	11.303	257.1	CONF.	-6.2
Dieldrin	12.210	+/-0.04	236.4	CONF.	12.226	247.4	CONF.	-4.6
4,4'-DDE								
Endrin								
Endosulfan II	13.851	+/-0.04	224.9	CONF.	13.867	243.0	CONF.	-8.0
4,4'-DDD								
Endrin Aldehyde	14.880	+/-0.04	193.0	CONF.	14.891	210.5	CONF.	-9.1
Endosulfan Sulfate								
4,4'-DDT	15.136	+/-0.04	199.4	CONF.	15.147	220.8	CONF.	-10.7
Methoxyclor	17.950	+/-0.04	134.5	CONF.	17.961	155.2	CONF.	-15.4
Endrin Ketone								
Tech. Chlordane								
alpha-Chlordane*								
gamma-Chlordane*								
Toxaphene								
Aroclor - 1016								
Aroclor - 1221								
Aroclor - 1232								
Aroclor - 1242								
Aroclor - 1248								
Aroclor - 1254								
Aroclor - 1260								

* SEE EXHIBIT B, PART 7 12-OCT-88 12:59:01

** CONF. = CONFIRMATION (<20% DIFFERENCE)
** QUANT. = QUANTITATION (<15% DIFFERENCE)

++ Retention time shift considered in chromatogram evaluation.

ETR

PESTICIDE/PCB STANDARDS SUMMARY

Case No. 14944
Contract No. [redacted]

Laboratory Aquatec, Inc.
GC Column FSC RTX-35 GC Instrument ID 764

Column # 16

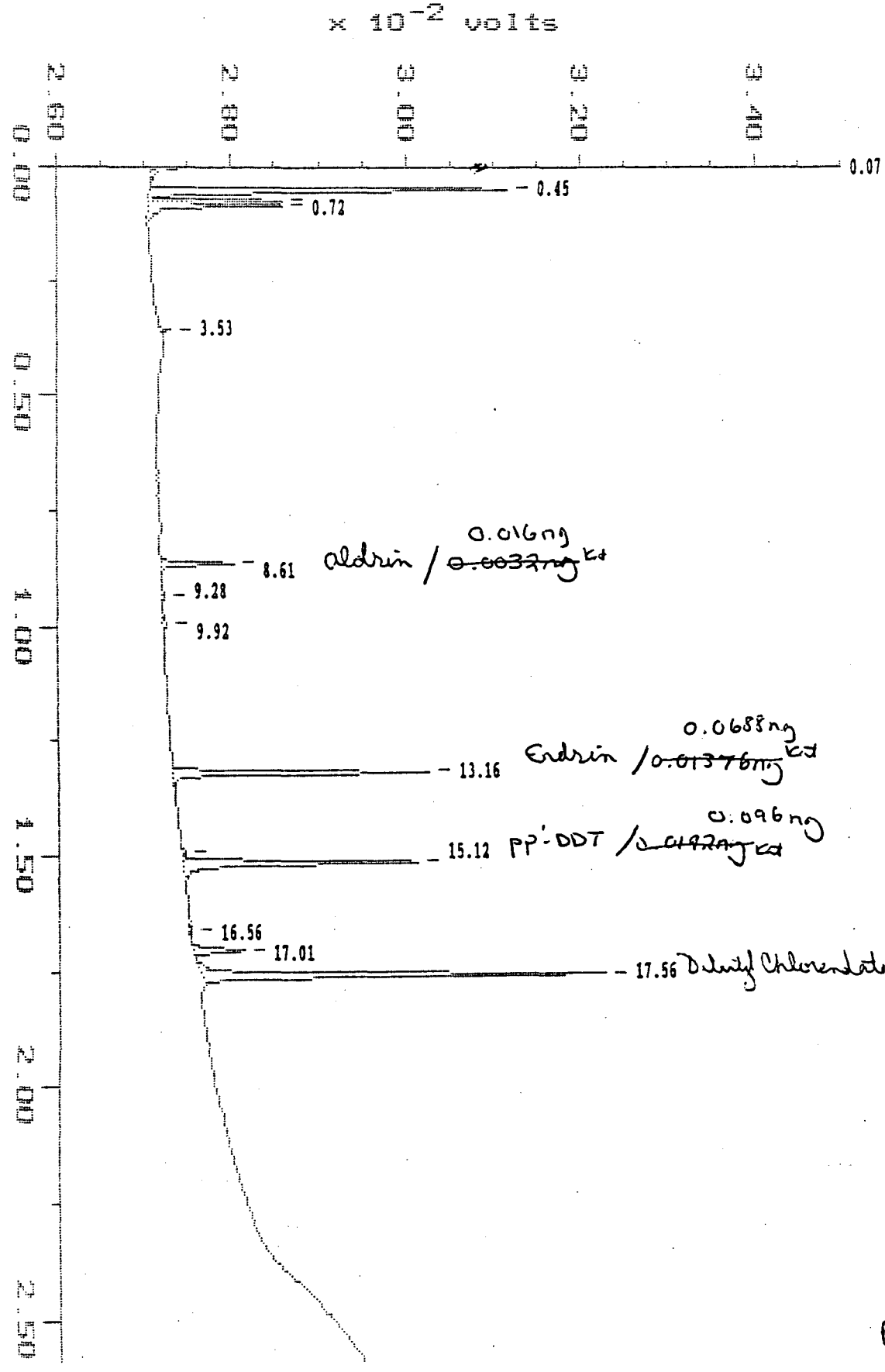
COMPOUND	DATE OF ANALYSIS 04-OCT-88 TIME OF ANALYSIS 19:24 LABORATORY ID Pesticide mix b 50% RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	DATE OF ANALYSIS 05-OCT-88 TIME OF ANALYSIS 16:45 LABORATORY ID Pesticide mix b 50% RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF.**
alpha-BHC	5.963	+/-0.02	133.7	CONF.	5.974	190.5	CONF.	-42.4
beta-BHC	7.142	+/-0.02	85.3	CONF.	7.153	135.6	CONF.	-58.9
delta-BHC	8.027	+/-0.02	114.0	CONF.	8.032	134.0	CONF.	-17.5
gamma-BHC								
Heptachlor								
Aldrin	8.622	+/-0.02	248.3	CONF.	8.627	271.6	CONF.	-9.4
Heptachlor Epoxide								
Endosulfan I								
Dieldrin								
4,4'-DDE	12.432	+/-0.03	217.2	CONF.	12.432	254.7	CONF.	-17.2
Endrin	13.178	+/-0.03	237.3	CONF.	13.189	277.7	CONF.	-17.0
Endosulfan II								
4,4'-DDD	14.190	+/-0.03	102.7	CONF.	14.190	126.7	CONF.	-23.4
Endrin Aldehyde								
Endosulfan Sulfate	15.447	+/-0.03	231.2	CONF.	15.453	266.2	CONF.	-15.1
4,4'-DDT								
Methoxyclor								
Endrin Ketone	17.422	+/-0.03	302.4	CONF.	17.422	344.9	CONF.	-14.1
Tech. Chlordane								
alpha-Chlordane*								
gamma-Chlordane*								
Toxaphene								
Aroclor - 1016								
Aroclor - 1221								
Aroclor - 1232								
Aroclor - 1242								
Aroclor - 1248								
Aroclor - 1254								
Aroclor - 1260								

* SEE EXHIBIT B, PART 7

12-OCT-88 12:59:01

** CONF. = CONFIRMATION (<20% DIFFERENCE)
** QUANT. = QUANTITATION (<15% DIFFERENCE)

Sample: 8VAL 8 Channel: E.C.D. 764 Filename: AI100406
Acquired: 04-OCT-88 15:28 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



000232

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 8:30:05

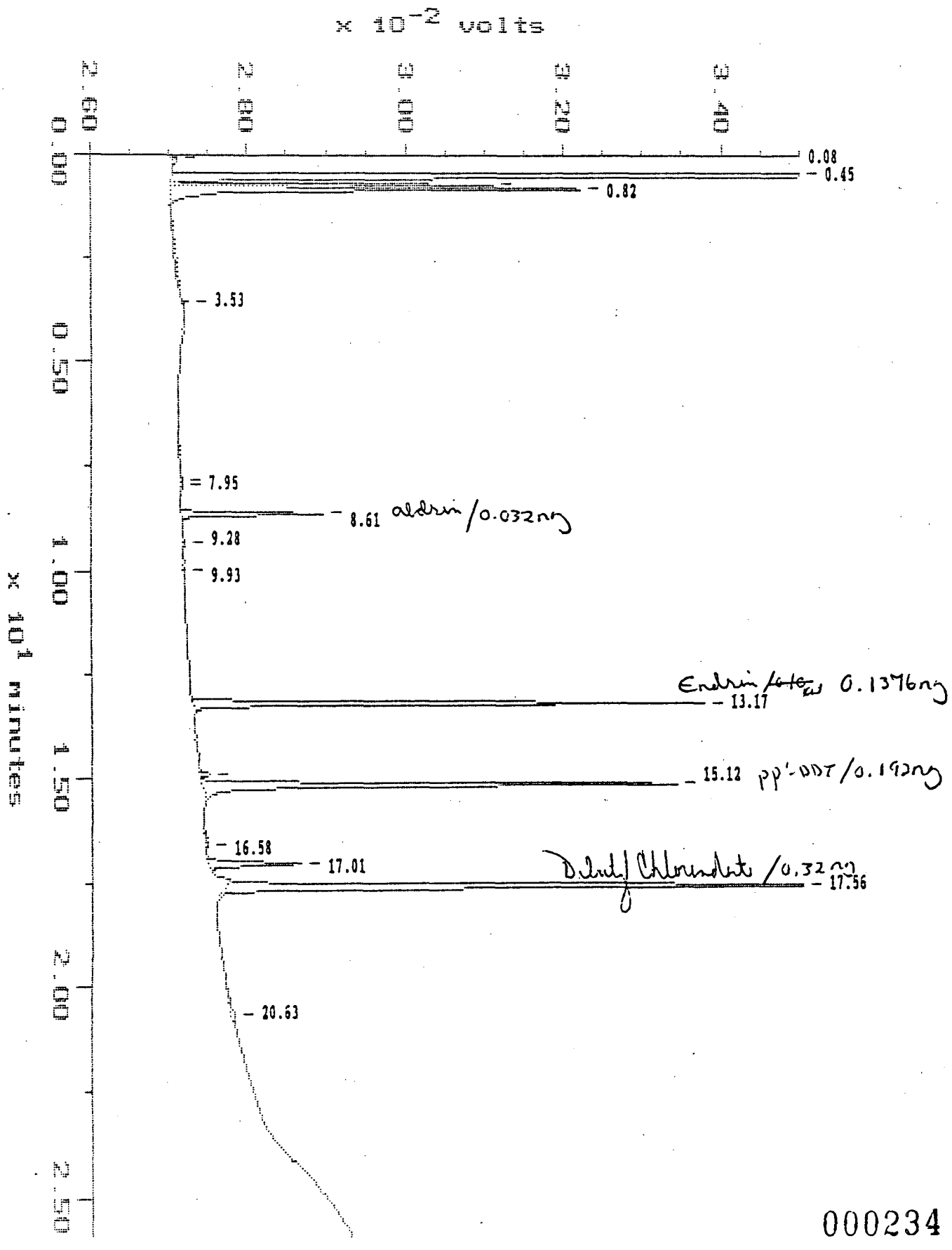
SAMPLE: EVAL B
#6 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 4-OCT-1988 15:28
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100406
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.067	DB	67.0	414.7
0.445	BP	4079.6	24588.1
0.723	PP	1549.5	7013.5
0.823	PB	1543.8	7759.6
3.532	BB	104.1	325.9
8.605	BB	828.5	4105.2
9.284	BB	28.6	278.9
9.918	BB	31.2	206.0
13.161	BB	2926.5	16541.9
14.863	BB	46.0	268.1
15.119	BB	2670.0	18369.8
16.560	BB	23.8	130.4
17.010	BB	575.4	3787.2
17.555	BB	4597.9	30522.7
TOTAL		19071.9	114312.0

Sample: EVAL C Channel: E.C.D. 764 Filename: AI100407
Acquired: 04-OCT-88 15:59 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



000234

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 8:32:48

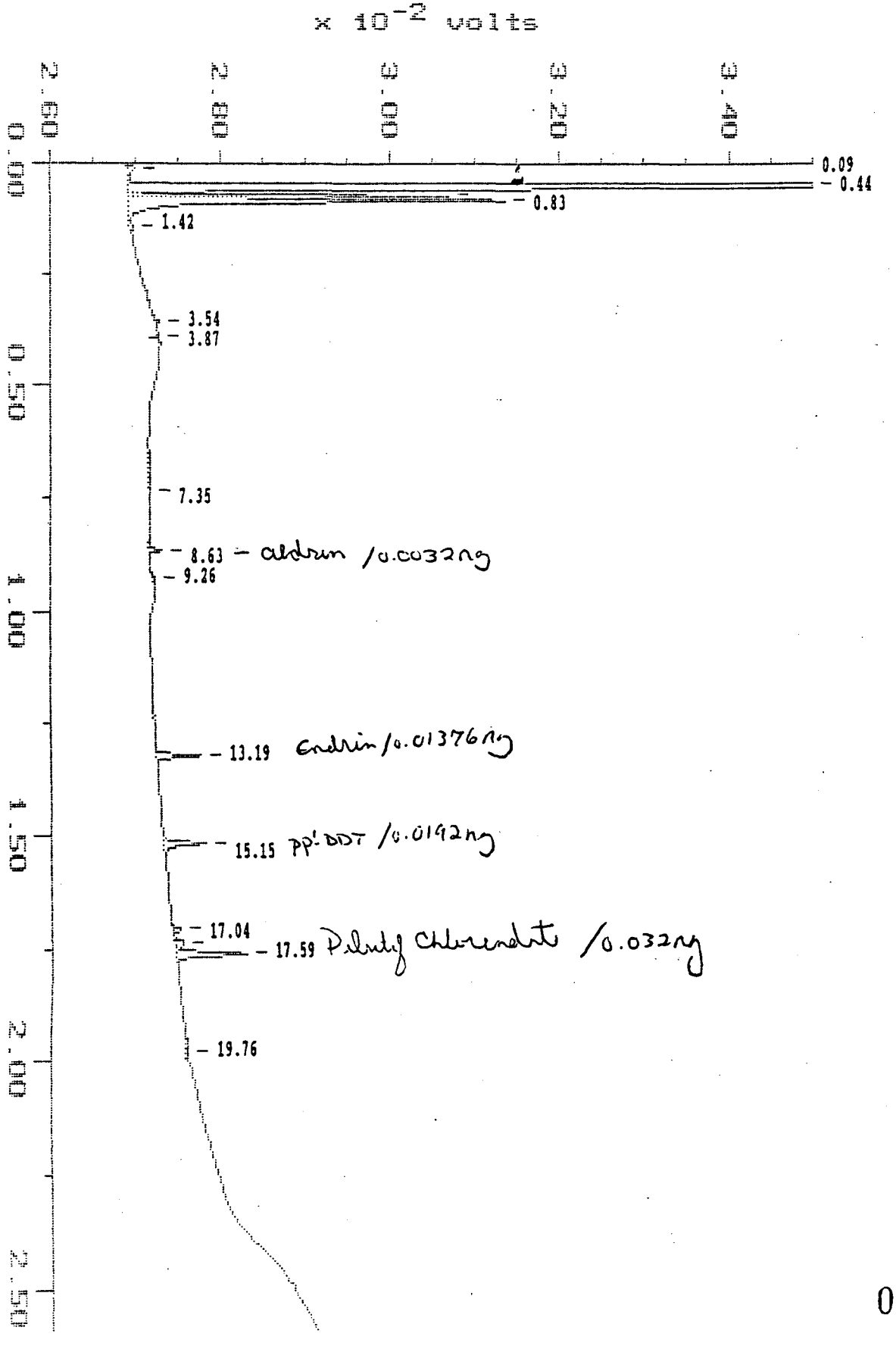
SAMPLE: EVAL C
#7 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 4-OCT-1988 15:59
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100407
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.078	DB	62.3	349.8
0.445	BP	11560.4	69967.6
0.723	PP	4098.8	18379.6
0.823	PB	5193.7	26616.8
3.532	BB	80.8	-2991.4
7.815	BP	23.0	-790.5
7.954	PB	29.3	154.0
8.611	BB	1803.5	8557.0
9.284	BB	24.6	194.0
9.935	BB	22.8	105.6
13.166	BB	6479.6	35388.1
14.863	BB	112.4	650.9
15.124	BB	5997.3	40192.5
16.576	BB	25.4	308.4
17.010	BB	1160.7	7650.8
17.561	BB	9970.3	63638.8
20.631	BB	30.2	564.0
TOTAL		46675.2	276499.8

Sample: EVAL A Channel: E.C.D. 764 Filename: AI100403
Acquired: 04-OCT-88 16:30 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



000236

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 8:38:26

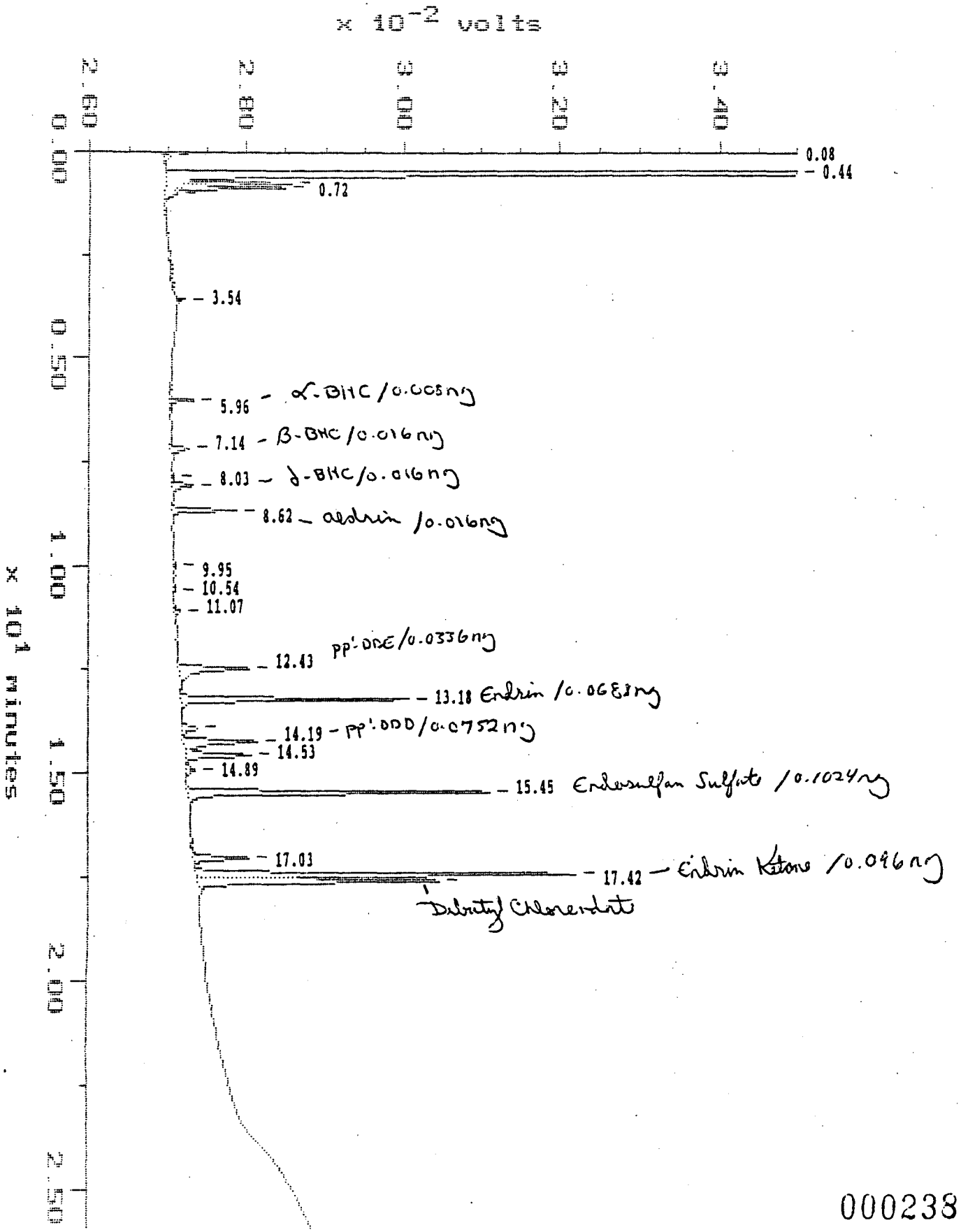
SAMPLE: EVAL A
#8 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 4-OCT-1988 16:30
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100408
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.089	BB	76.9	473.0
0.439	BP	19076.6	111456.2
0.729	PP	3781.6	17017.6
0.829	PP	4445.9	24368.0
1.418	PB	28.0	224.5
3.543	BB	55.1	-297.6
3.866	BB	1.4	-115.6
7.354	BB	28.5	1977.8
8.627	BB	152.8	764.3
9.262	BB	23.4	119.0
13.189	BB	505.7	2943.2
15.147	BB	484.6	3318.9
17.044	BP	110.4	715.9
17.327	PP	110.9	1008.2
17.589	PB	811.7	5564.7
19.758	BB	43.3	1002.2
TOTAL		29736.6	171366.6

Sample: IND B 50% Channel: E.C.D. 764 Filename: AI100412
Acquired: 04-OCT-88 19:24 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 10:41:47

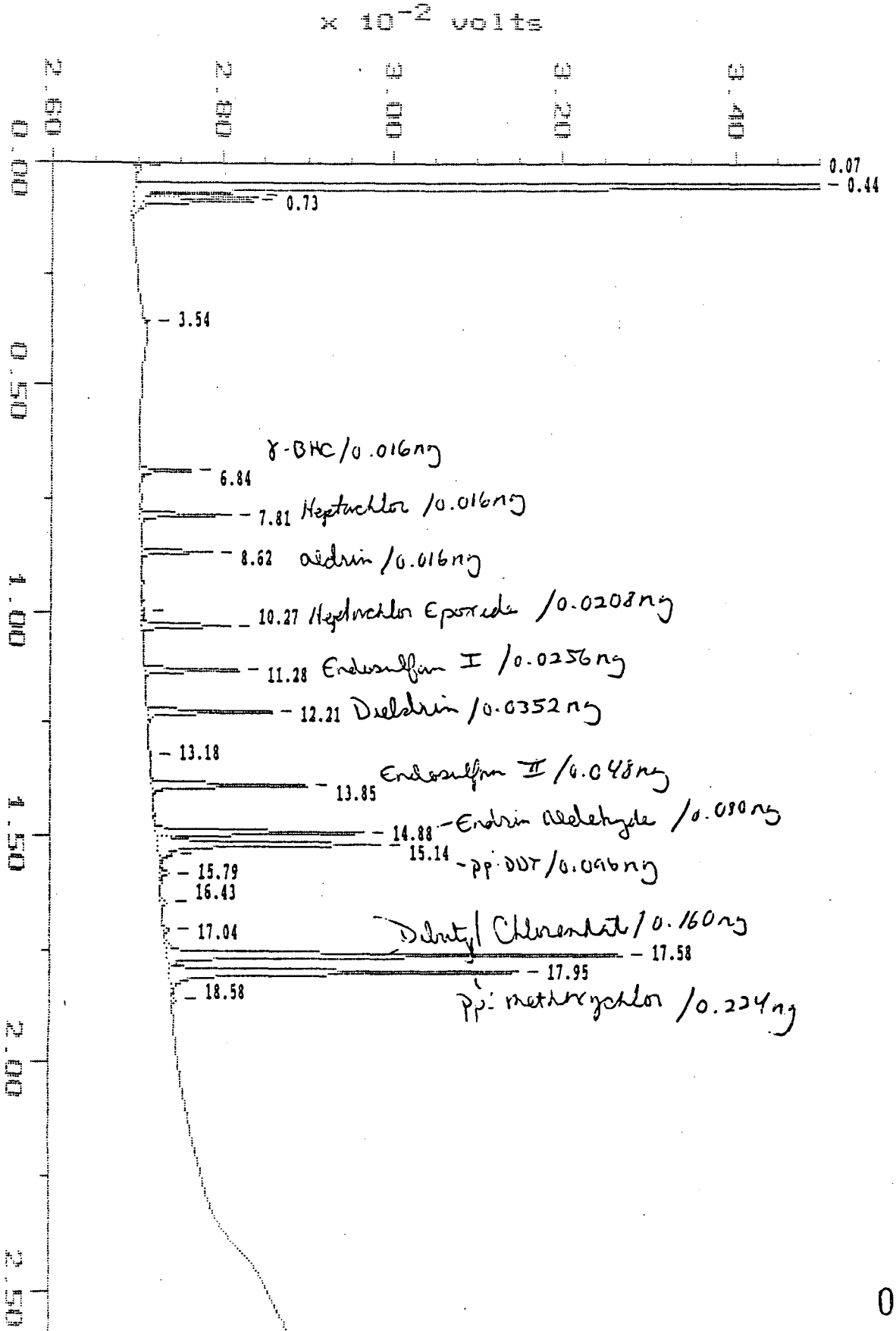
SAMPLE: IND B 50%
#12 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 4-OCT-1988 19:24
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100412
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.078	DB	67.5	433.5
0.439	BB	14381.3	83757.4
0.723	SV	1342.4	5679.2
0.823	VV	1320.1	5190.9
0.968	VS	43.9	251.4
3.538	BB	113.1	-2714.0
5.963	BB	283.4	1070.0
7.142	BB	231.1	1365.3
7.821	BP	23.5	149.9
8.027	PB	274.5	1823.5
8.622	BB	816.1	3972.6
9.951	BB	30.2	148.9
10.541	BB	32.9	191.8
11.075	BB	73.1	406.1
12.432	BB	886.6	7298.8
13.178	BB	2898.5	16328.0
13.873	BP	177.7	1381.9
14.190	PP	933.8	7722.8
14.529	PB	822.1	5647.4
14.885	BB	98.9	662.7
15.447	BB	3846.3	23675.2
17.032	BP	701.4	4364.1
17.422	PP	4813.1	29028.1
17.583	PB	3050.6	20402.0
TOTAL		37262.0	223665.5

Sample: IND A 50% Channel: E.C.D. 764 Filename: AI100413
Acquired: 04-OCT-88 19:55 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



000240

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 12:19:10

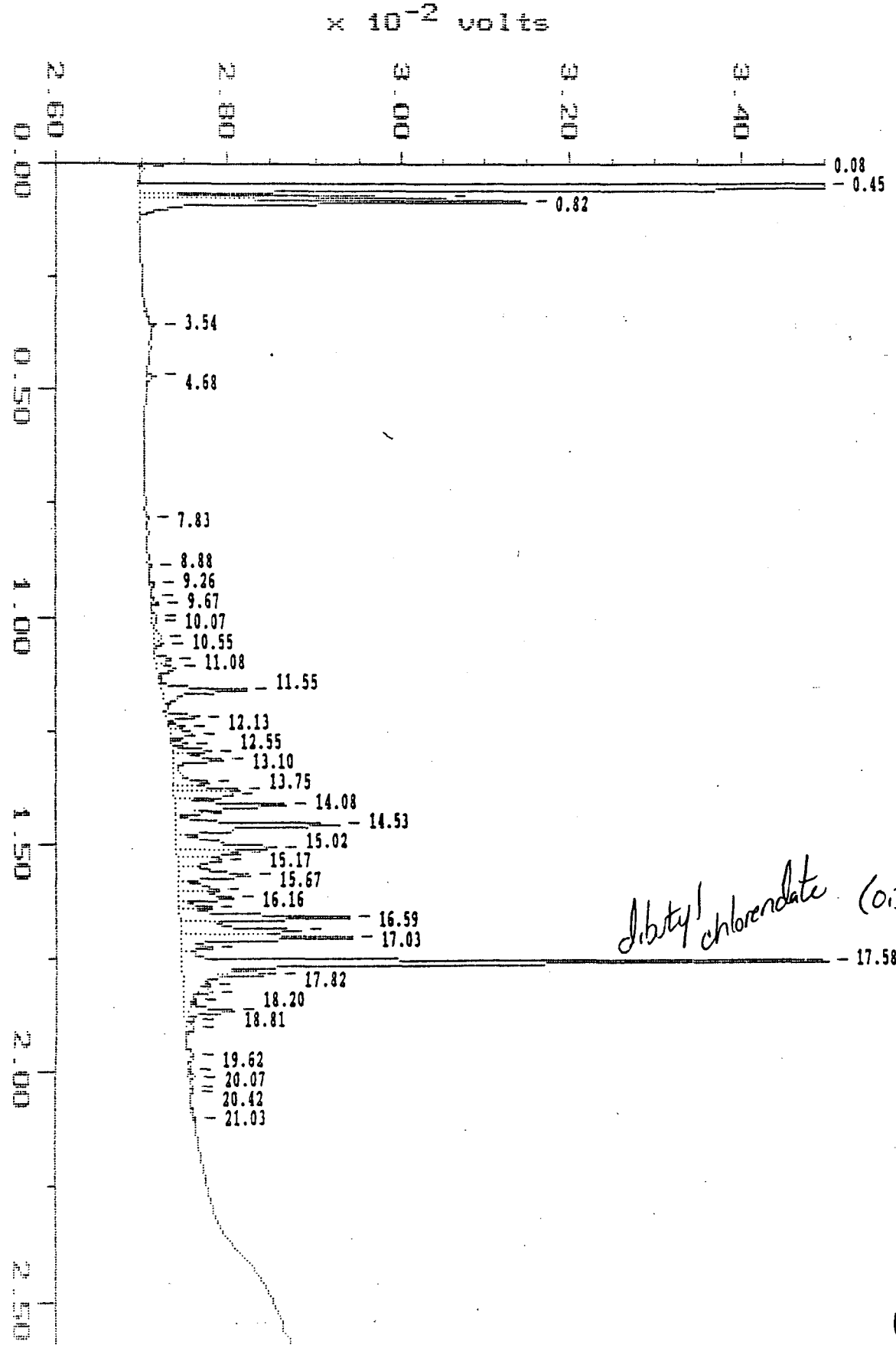
SAMPLE: IND A 50%
#13 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 4-OCT-1988 19:55
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100413
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.067	DB	61.8	301.3
0.439	BB	22587.5	132542.9
0.729	SV	1301.1	5571.6
0.823	VS	1281.9	5474.6
3.538	BB	47.6	-356.3
6.836	BB	608.1	2783.5
7.810	BB	1068.2	5250.0
8.622	BB	832.3	4089.6
9.957	BP	26.3	378.8
10.268	PB	1026.0	5619.9
11.281	BB	1125.5	6197.9
12.210	BB	1486.1	8322.2
13.178	BB	29.0	161.2
13.851	BB	1830.5	10795.6
14.880	BP	2431.6	15440.3
15.136	PB	2614.5	19141.3
15.391	SS	41.8	189.4
15.792	BB	93.2	587.2
16.426	BB	57.5	380.9
17.038	BB	71.6	484.7
17.578	BP	5327.2	35783.6
17.950	PB	4115.3	30129.2
18.579	BB	34.9	198.2
TOTAL		48099.5	290180.1

Sample: TOXAPH 1.28 ng Channel: E.C.D. 764 Filename: AI100415
Acquired: 04-OCT-88 20:56 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



dibutyl chlorendate (0.30ng)

AI100415

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 10:50:56

SAMPLE: TOXAPH 1.28 ng
#15 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 4-OCT-1988 20:56
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100415
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

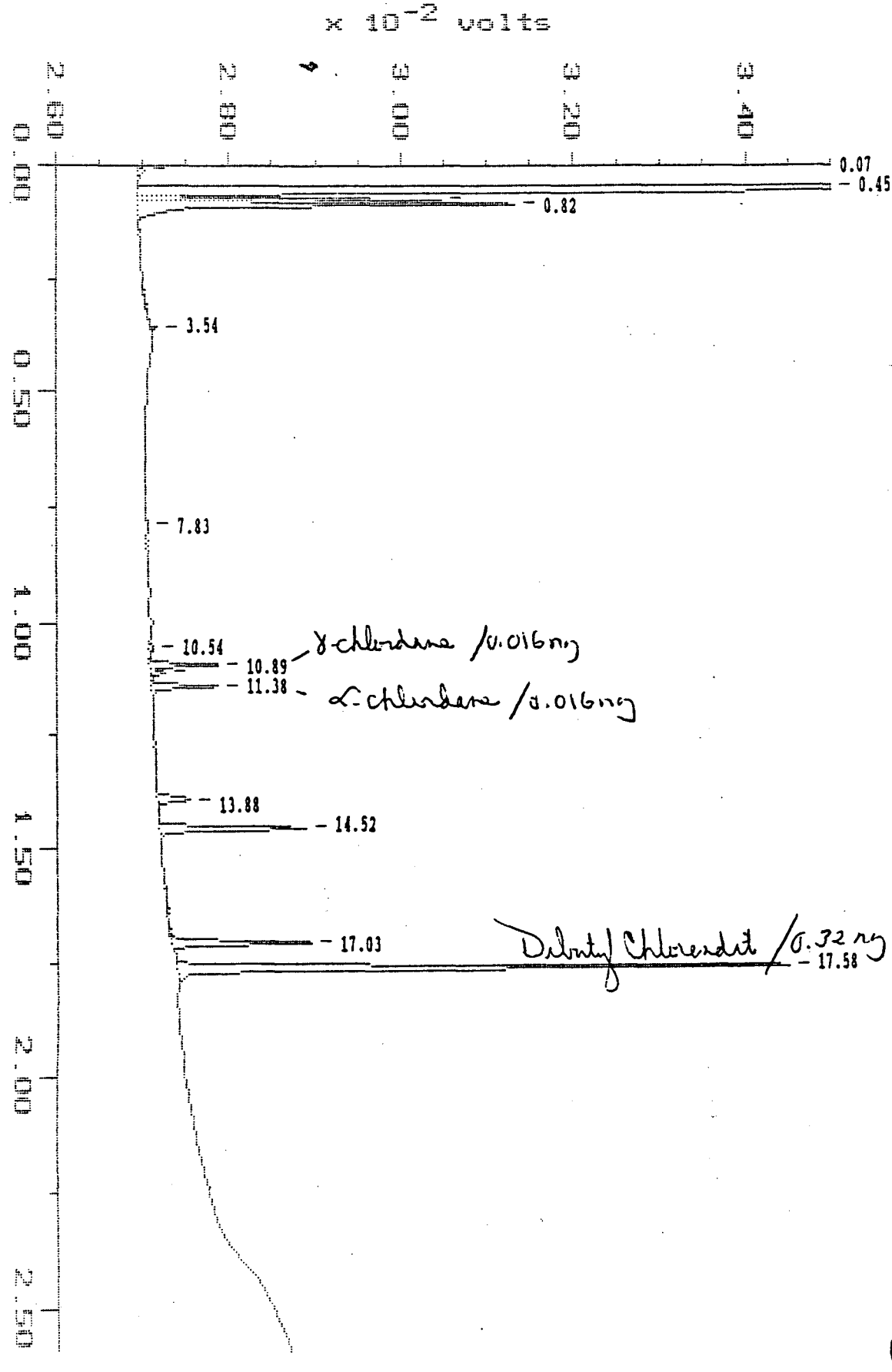
DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.078	DB	60.6	314.4
0.445	BP	22110.2	141542.8
0.729	PP	3580.1	16269.2
0.823	PB	4539.8	23334.5
3.538	BB	79.5	343.4
4.678	BB	114.1	468.1
7.826	BB	27.9	184.2
8.883	BB	22.4	90.7
9.262	BB	52.8	322.3
9.545	BP	28.4	121.3
9.668	PP	101.8	622.1
9.946	PP	49.1	260.9
10.074	PB	38.6	232.8
10.402	BP	67.7	544.1
10.552	PB	102.8	691.9
10.875	BP	186.1	1446.7
11.081	PB	207.5	1676.1
11.553	BB	983.2	8352.9
12.126	BP	387.8	2302.4
12.360	PP	169.9	829.7
12.549	PP	273.5	2615.4
12.727	PP	173.3	789.8
12.894	PP	454.2	2879.6
13.100	PP	576.6	5199.3
13.589	PP	399.2	3503.7
13.751	PP	756.0	5168.5
13.862	PP	686.4	5285.8
14.079	PP	1283.8	12515.5
14.268	SS	80.0	340.5
14.529	PP	1874.0	17793.0
15.024	PP	1147.9	13260.2
15.175	PP	723.6	4433.4
15.325	PP	520.3	5333.3
15.670	PP	846.5	9315.0

AI100414 (struck through)
AI100415 KW

15.987	PP	459.0	4745.9
16.165	PP	642.1	5707.1
16.370	PP	376.1	2574.1
16.593	PP	1953.7	15488.4
16.882	PP	1392.7	11685.8
17.027	PP	1974.5	16305.5
17.238	SS	208.7	1036.7
17.578	PB	7577.5	65244.7
17.822	SS	594.3	3202.3
18.073	SV	102.0	534.8
18.201	VS	171.9	953.5
18.379	SV	55.1	245.4
18.629	VV	527.4	4063.2
18.812	VV	74.1	373.3
18.974	VS	77.5	852.7
19.619	BB	49.9	325.3
19.919	BP	34.9	175.4
20.070	PP	62.9	295.9
20.309	PP	33.7	251.7
20.420	PB	37.1	222.6
21.032	BB	24.0	92.3
TOTAL		59134.8	422760.0

Sample: CHLOR 0.016 ng Channel: E.C.D. 764 Filename: AI100416
Acquired: 04-OCT-88 21:26 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



000245

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 10:52:05

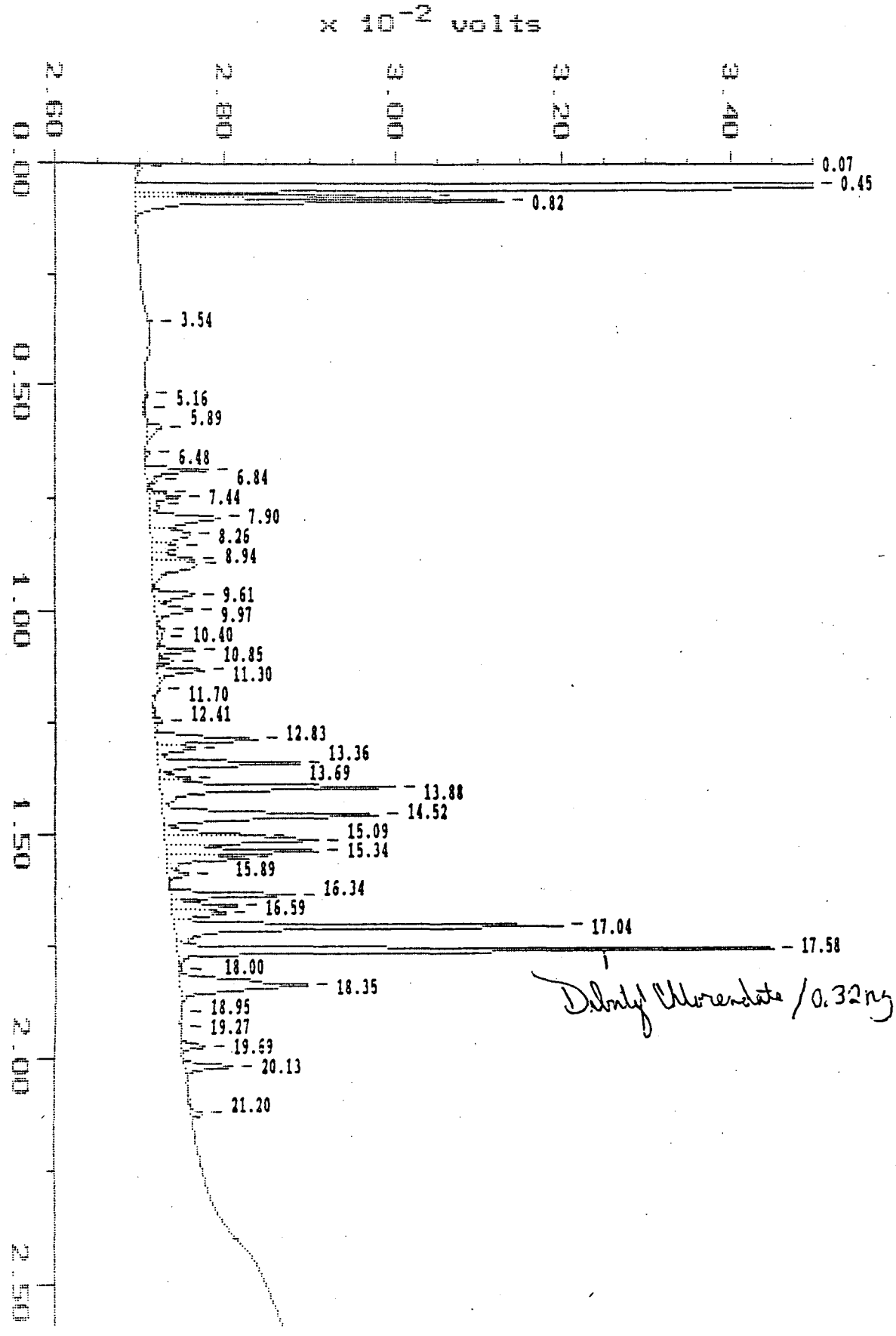
SAMPLE: CHLOR 0.016 ng
#16 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 4-OCT-1988 21:26
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100416
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.067	DB	63.5	329.1
0.445	BP	23544.3	149531.7
0.729	PP	3521.9	16122.5
0.823	PB	4389.4	22597.4
3.538	BB	79.5	-286.7
7.832	BB	25.5	169.7
10.535	BB	47.1	248.3
10.891	BP	774.4	4265.2
11.075	PB	156.0	910.7
11.375	BB	757.8	4322.2
13.878	BB	364.7	2910.8
14.524	BB	1698.7	10876.2
17.032	BB	1622.1	10009.5
17.578	BB	7095.2	46608.7
TOTAL		44140.2	269188.7

Sample: AR1660 0.64 ng Channel: E.C.D. 764 Filename: AI100417
Acquired: 04-OCT-88 21:57 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: PSC RTx-35 MEGABORE, COLUMN ID #16.



000247

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 10:53:23

SAMPLE: AR1660 0.64 ng
#17 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 4-OCT-1988 21:57
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100417
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

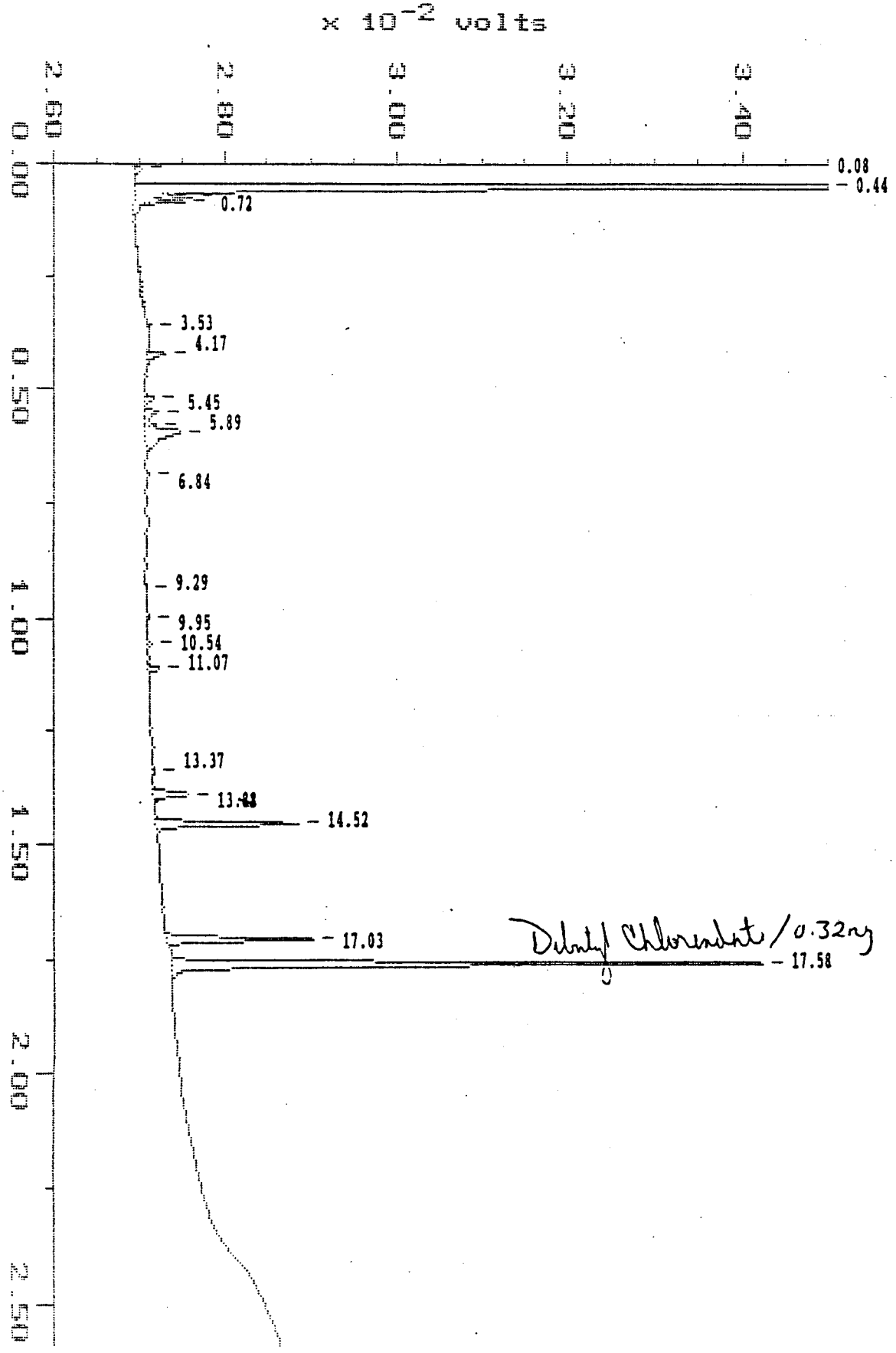
Retention Time (minutes)	Type	Peak Height	Peak Area
0.072	BB	68.4	331.0
0.445	BP	23963.3	151224.5
0.729	PP	3468.5	15818.4
0.823	PB	4373.7	22551.2
3.538	BB	52.2	149.5
5.156	BB	50.7	304.4
5.451	BB	30.0	217.3
5.885	BB	182.7	2146.3
6.480	BB	61.8	293.6
6.836	BP	741.6	6077.2
7.081	SS	53.9	277.6
7.337	PP	207.4	922.4
7.437	PP	355.2	3325.0
7.632	SS	33.0	223.2
7.904	PP	810.9	10584.7
8.260	PP	454.2	6722.6
8.561	PP	307.3	2996.1
8.828	PP	491.4	4100.3
8.939	PP	520.2	7589.1
9.606	PP	470.2	4983.6
9.968	PP	440.2	4961.0
10.402	PP	93.3	587.4
10.552	PB	48.5	279.3
10.852	BP	435.1	2737.1
11.086	PP	184.3	993.2
11.297	PB	529.8	3907.0
11.704	BB	29.2	150.9
12.410	BP	96.7	892.6
12.827	PP	1193.6	10185.9
13.033	PP	439.9	4051.6
13.356	PP	1676.6	13448.3
13.689	PP	349.8	2391.2
13.884	PP	2760.6	25506.1
14.518	PP	2529.9	25560.3

AE-00417

K-1

14.991	PP	1190.7	7658.6
15.086	PP	1812.9	16328.0
15.341	PP	1815.3	13509.0
15.508	PP	965.1	8073.8
15.887	PB	244.9	1938.9
16.343	BP	1495.6	10768.8
16.593	PP	780.3	5716.6
16.754	PP	614.5	5571.3
17.044	PP	4577.2	38035.4
17.578	PB	7071.3	47484.9
18.000	BP	24.0	97.1
18.345	PB	1514.0	20897.8
18.951	BB	21.8	139.8
19.269	BB	22.5	122.5
19.691	BB	269.1	2020.2
20.125	BB	561.6	4393.8
21.199	BB	130.4	633.8
		---	---
TOTAL		70615.3	519880.5

Sample: AR1221 0.80 ng Channel: E.C.D. 764 Filename: AI100418
Acquired: 04-OCT-88 22:28 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



000250

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 10:54:35

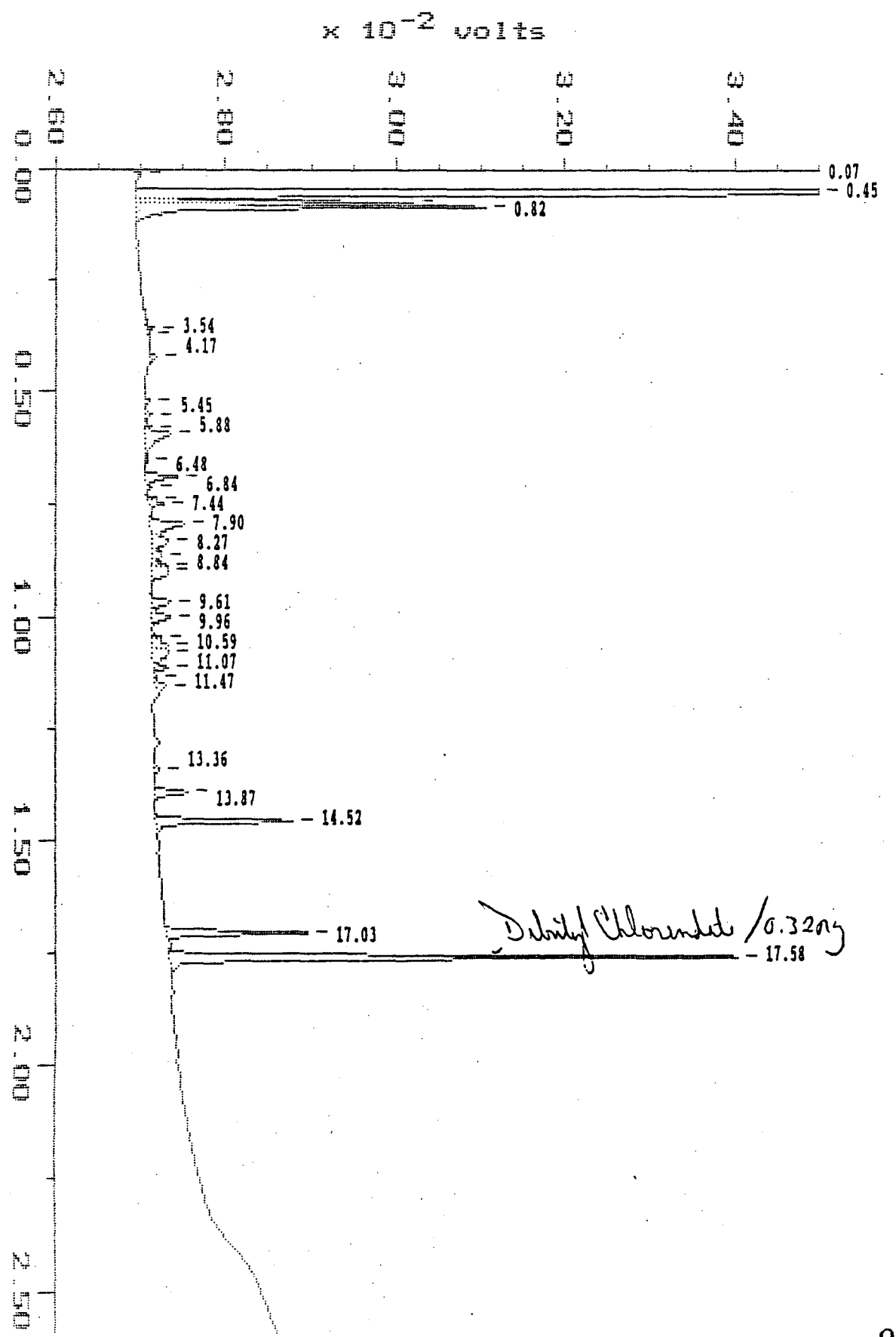
SAMPLE: AR1221 0.80 ng
#18 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 4-OCT-1988 22:28
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100418
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.078	DB	62.6	304.1
0.439	BB	18394.8	109912.7
0.723	SV	336.2	1320.8
0.823	VS	394.8	1314.7
3.532	BB	44.1	-1623.6
4.172	BB	198.0	1316.3
5.151	BP	119.1	883.6
5.451	PP	158.5	1372.2
5.741	PP	136.9	749.5
5.885	PB	418.9	6251.8
6.842	BB	41.1	190.4
9.295	BB	21.6	152.9
9.951	BB	31.0	175.1
10.535	BB	49.2	265.6
11.075	BB	137.8	732.0
13.367	BB	30.0	192.6
13.878	BB	403.4	3238.7
14.524	BB	1657.0	10611.3
17.027	BB	1717.7	11371.4
17.578	BB	6854.1	45045.8
TOTAL		31206.8	197025.3

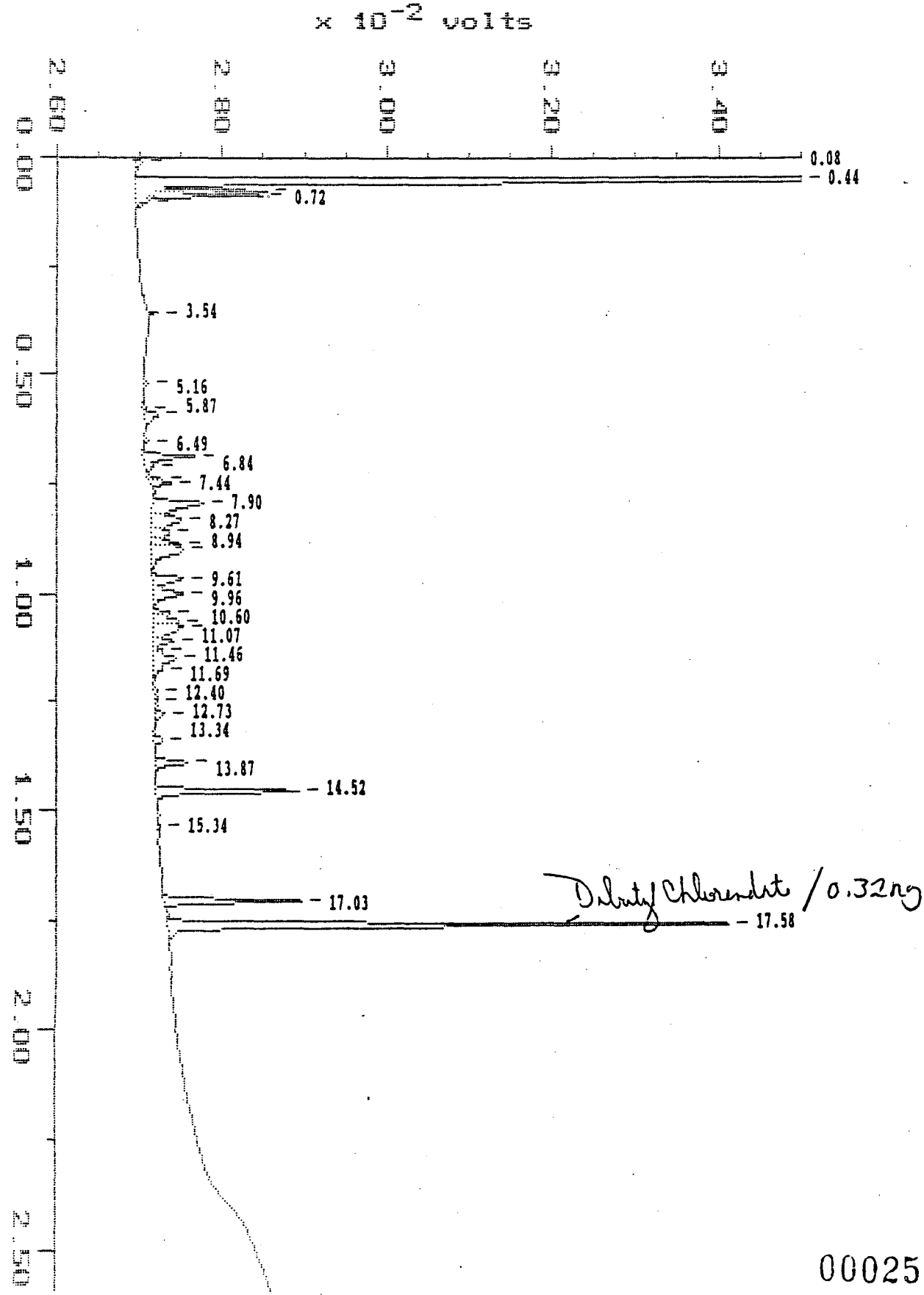
Sample: AR1232 0.80 ng Channel: E.C.D. 764 Filename: AI100419
Acquired: 04-OCT-88 22:58 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



RI004:9

TOTAL	44048.4	281674.4

Sample: AR1242 0.64 ng Channel: E.C.D. 764 Filename: AI100420
Acquired: 04-OCT-88 23:29 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



Dibutyl Chlorendate / 0.32ng

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MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 10:57:08

SAMPLE: AR1242 0.64 ng
#20 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 4-OCT-1988 23:29
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100420
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.078	DB	61.8	303.3
0.439	BB	20543.7	121057.0
0.723	SV	1294.9	5513.2
0.823	VV	1315.2	5163.3
0.968	VS	31.4	148.2
3.538	BB	122.0	385.5
5.156	BB	52.9	378.8
5.735	BP	24.4	91.1
5.874	PB	151.8	1696.3
6.486	BB	46.8	243.2
6.836	BP	615.1	5081.8
7.076	SS	40.4	197.6
7.337	PP	158.8	742.6
7.437	PB	267.3	1633.4
7.904	BP	622.9	7768.2
8.266	PP	348.7	5031.0
8.561	PP	231.4	2218.5
8.828	PP	350.6	2841.0
8.939	PB	385.4	5432.7
9.606	BP	371.3	3946.7
9.962	PP	363.9	4109.1
10.413	PP	193.6	1331.1
10.602	PP	298.0	2402.8
10.730	PP	335.2	4858.5
11.075	PP	237.9	1774.1
11.297	PP	102.5	638.6
11.464	PB	272.5	3702.7
11.692	SS	35.2	178.3
12.199	BP	38.3	272.6
12.399	PP	50.4	439.1
12.733	PB	101.4	836.1
13.344	BB	103.0	926.5
13.873	BB	394.1	3181.1
14.524	BB	1730.9	11358.3

AI100420

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15.341	BB	25.6	123.0
17.027	BB	1647.2	10935.7
17.578	BB	6761.6	44540.9
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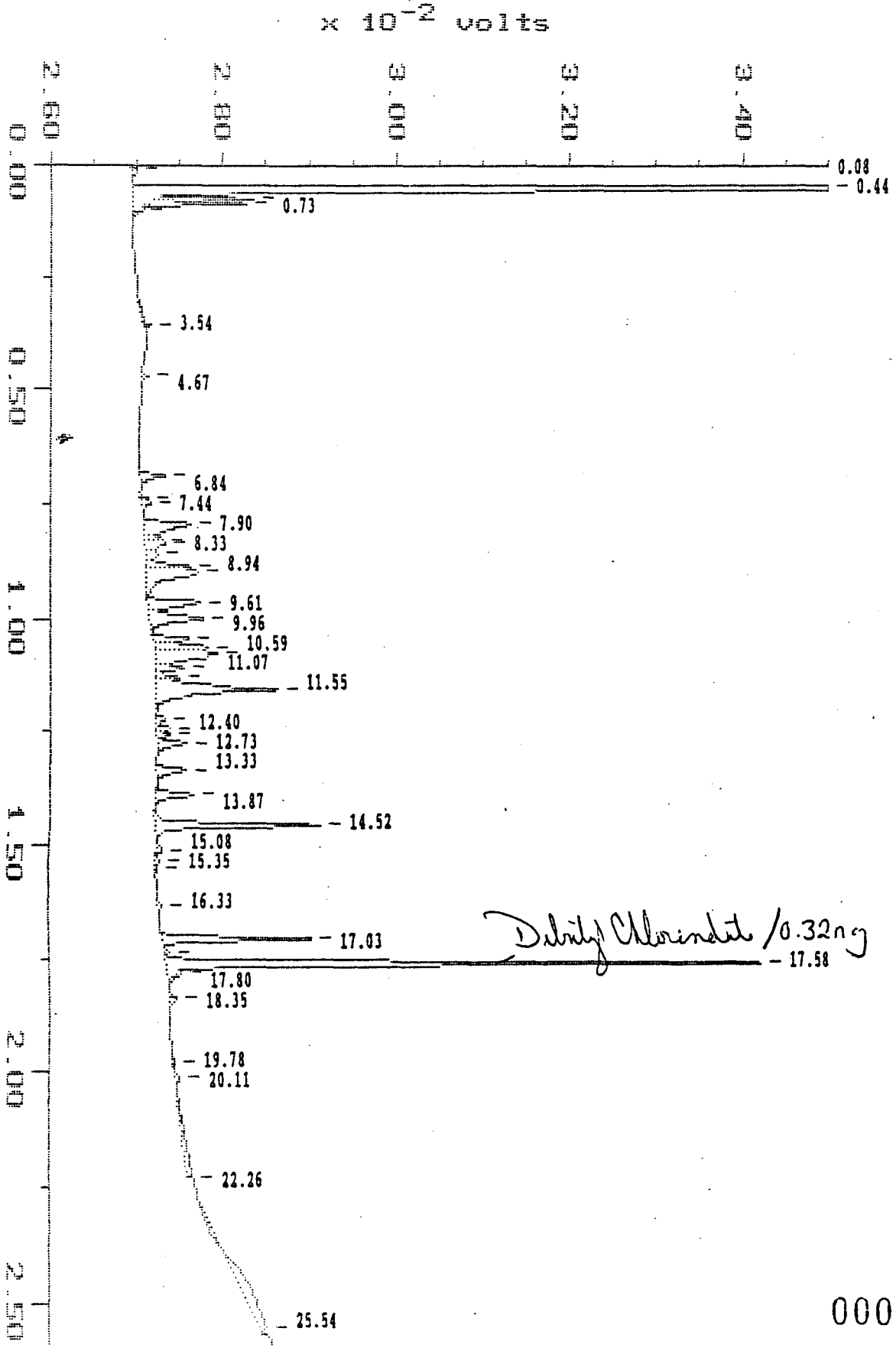
TOTAL		39728.2	261481.8

Sample: AR1248 0.64 ng Channel: E.C.D. 764 Filename: AI100421
Acquired: 05-OCT-88 0:00 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



Dibutylchlorendate / 0.32ng

000253

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 10:58:33

SAMPLE: AR1248 0.64 ng
#21 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 0:00
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100421
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

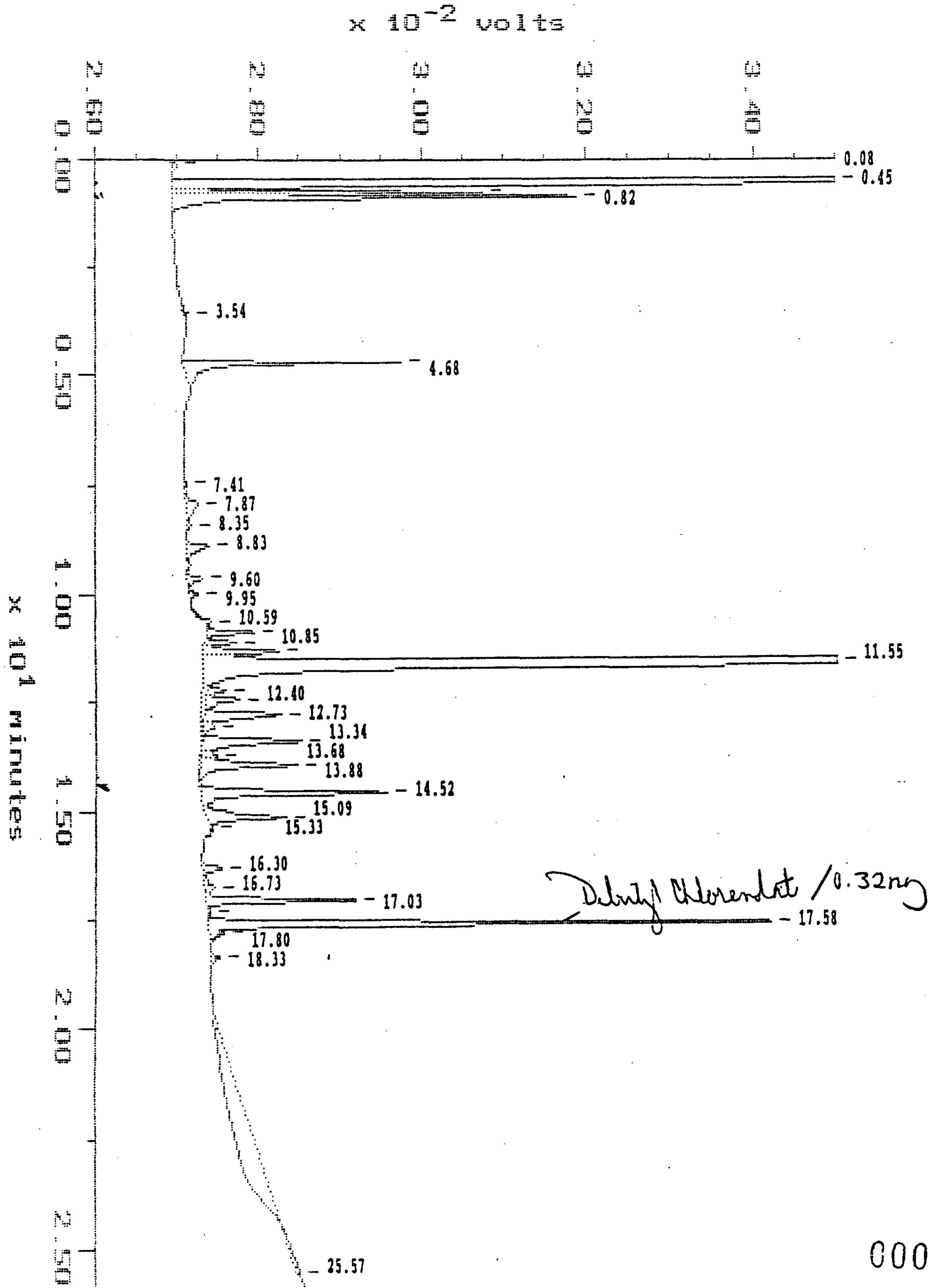
DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.078	DB	60.3	312.0
0.439	BB	20772.3	122871.7
0.729	SV	1113.1	4650.0
0.823	VS	1110.8	4217.9
0.973	SS	24.4	110.4
3.538	BB	83.3	337.2
4.673	BB	90.2	395.5
6.836	BB	285.6	1830.2
7.337	BP	103.7	468.9
7.437	PB	114.8	808.6
7.899	BP	546.3	6799.3
8.244	PP	211.4	1245.1
8.327	PP	224.1	2090.4
8.555	PP	134.8	1249.5
8.828	PP	534.8	3633.6
8.945	PP	621.2	8715.1
9.606	PP	606.7	6108.6
9.957	PP	612.9	6643.0
10.413	PP	419.6	3068.8
10.591	PP	631.3	4603.8
10.725	PP	739.8	10566.7
11.075	PP	348.1	2657.3
11.292	PP	295.4	1948.0
11.548	PP	1416.2	17194.6
12.187	PP	118.6	872.7
12.399	PP	143.3	893.3
12.549	PP	150.1	953.1
12.733	PB	345.2	2787.6
13.333	BB	353.9	3335.0
13.873	BB	433.6	3343.2
14.524	BB	1904.4	13422.2
15.080	BP	73.6	589.4
15.347	PP	32.5	211.9
15.497	PB	25.0	178.6

AI100421

16.326	BB	40.4	282.2
17.027	BP	1702.5	11205.4
17.327	PP	41.5	269.7
17.578	PB	6822.6	45435.3
17.800	SS	69.9	386.5
18.345	BB	95.8	941.7
19.780	BB	24.7	220.7
20.108	BB	50.5	431.9
22.256	BB	52.0	2507.0
25.537	BB	81.2	8172.4
TOTAL		43662.6	308966.1

Sample: AR1254 0.48 ng Channel: E.C.D. 764 Filename: AI100422
Acquired: 05-OCT-88 0:30 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 10:59:55

SAMPLE: AR1254 0.48 ng
#22 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 0:30
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100422
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.078	DB	54.2	210.2
0.445	BP	22209.6	141483.1
0.729	PP	3828.3	17204.6
0.823	PB	4943.7	25758.5
3.538	BB	53.6	-283.0
4.678	BB	2696.8	14121.9
7.409	BB	20.7	170.4
7.865	BB	150.2	1982.4
8.349	BB	33.9	231.6
8.833	BB	290.0	2981.6
9.601	BB	168.2	1242.4
9.951	BB	93.8	694.8
10.591	BB	71.9	-70.7
10.847	BP	570.8	3470.3
11.086	PP	373.1	2417.4
11.292	PP	935.6	6993.4
11.548	PP	40197.0	291889.6
12.187	SV	213.1	1515.6
12.399	VV	408.6	3420.3
12.733	VV	960.8	8843.8
13.027	VV	133.8	1074.2
13.344	VV	1215.7	11698.4
13.678	VV	177.9	1143.9
13.884	VS	1181.6	10674.0
14.518	PP	2300.3	17644.6
15.086	PP	966.8	9508.4
15.330	PB	39.3	228.5
16.298	BB	237.1	1982.6
16.732	BP	108.7	1093.4
17.027	PP	1852.8	12681.1
17.316	PP	40.1	281.1
17.578	PB	6811.5	46036.7
17.800	SS	73.0	424.5
18.334	BB	107.0	788.8

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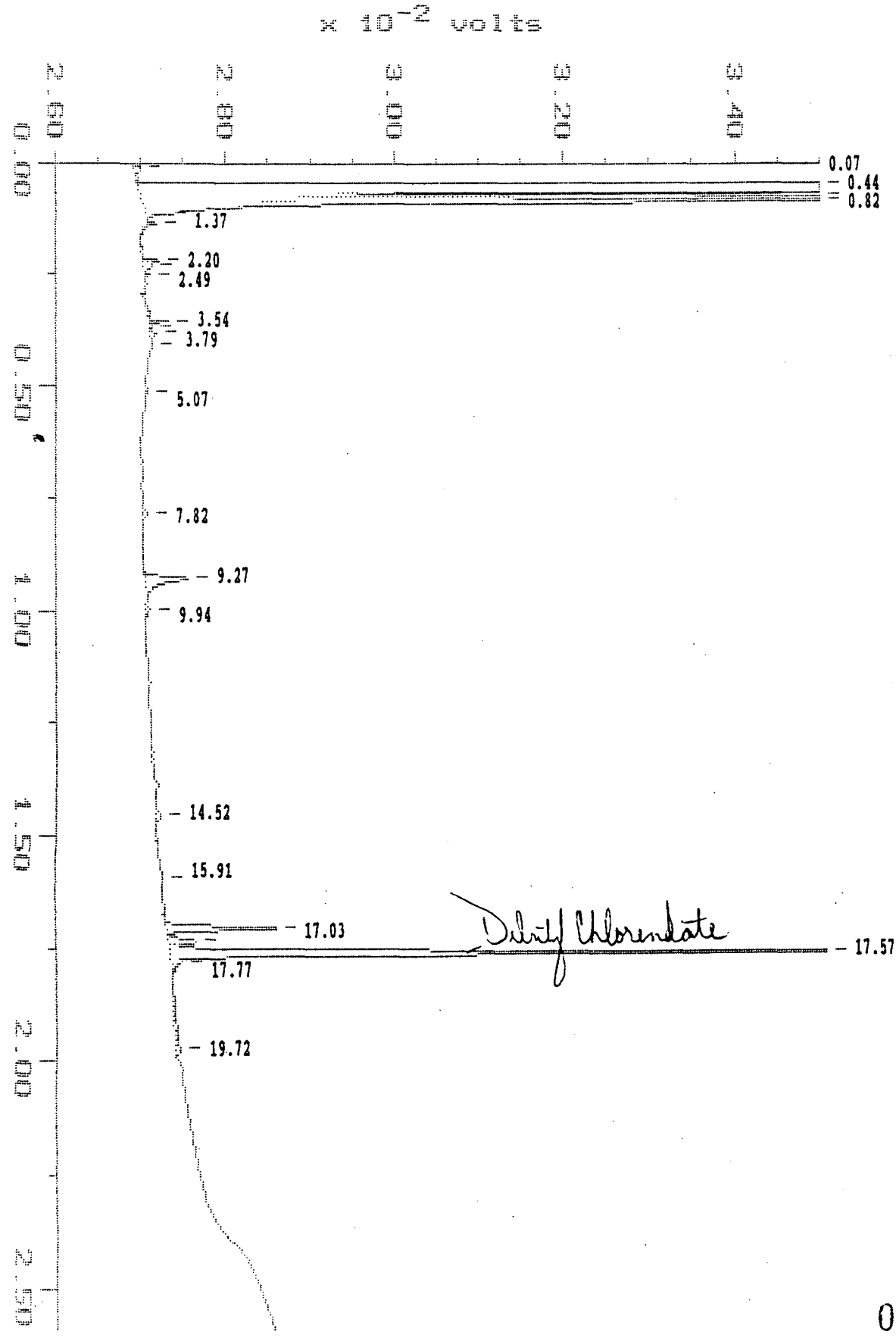
	25.565	BB	31.1	-46736.2
TOTAL			93550.7	686981.9

PBLK ING

Sample: B092088W6P1:1 Channel: E.C.D. 764 Filename: AI100424
Acquired: 05-OCT-88 1:32 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 11:02:17

SAMPLE: B092088W6P1:1
#24 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 1:32
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100424
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

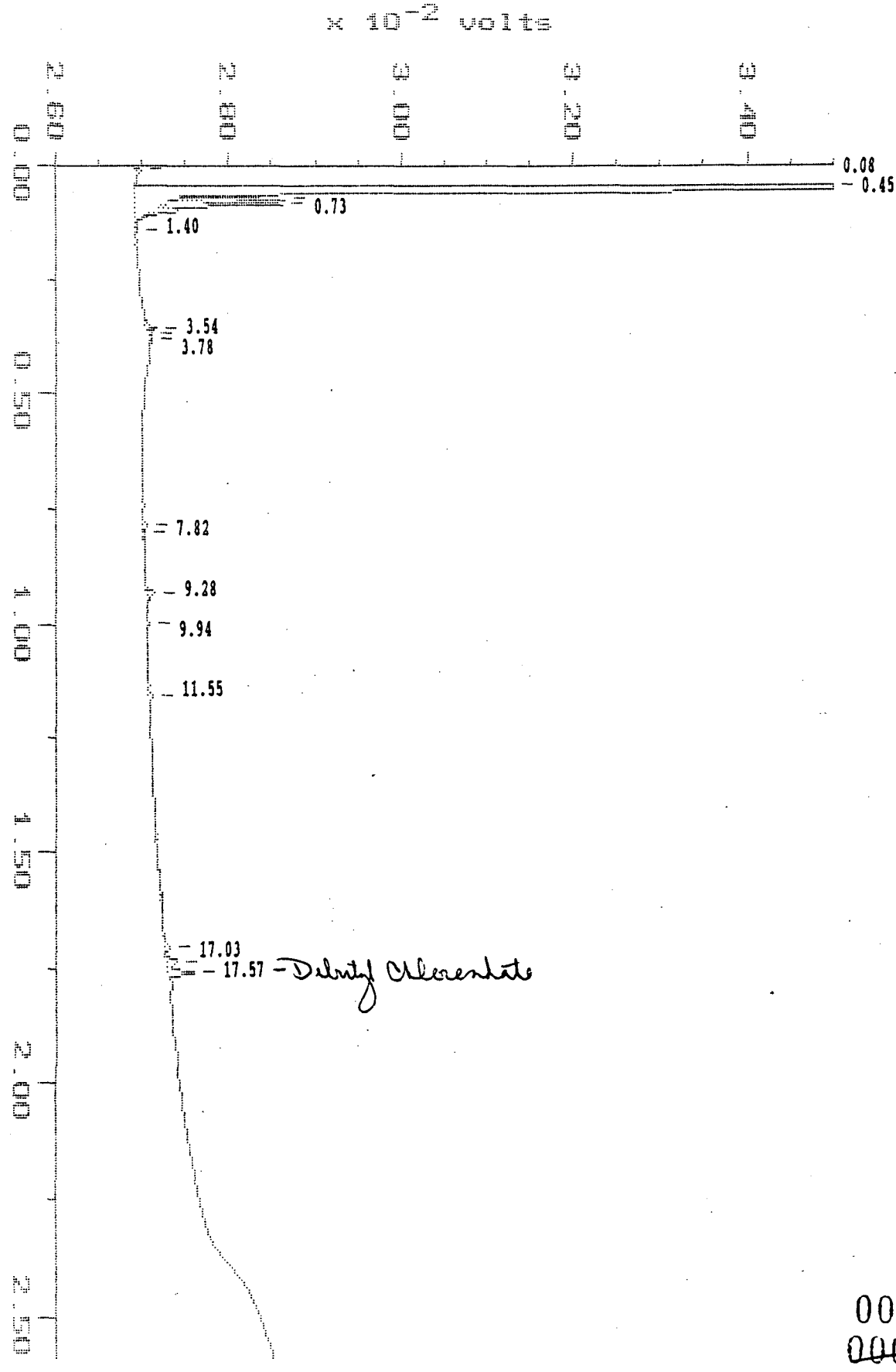
DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.072	BB	78.9	443.4
0.439	BB	288255.2	1592962.4
0.729	SV	7682.6	31029.5
0.823	VS	9147.0	40332.4
1.374	BB	113.7	339.6
2.203	BP	183.9	900.2
2.292	PP	108.6	662.5
2.492	PB	59.2	246.5
3.538	BP	233.9	1137.0
3.660	PP	43.2	253.3
3.794	PB	72.0	283.1
4.027	BB	16.5	122.5
5.067	BB	31.1	177.3
7.815	BB	46.0	248.6
9.267	BB	492.1	4845.0
9.940	BB	32.1	262.0
14.524	BB	57.9	347.5
15.909	BB	22.6	-146.8
17.027	BP	1268.7	8373.8
17.322	PP	315.5	2495.7
17.572	PB	7873.4	52226.9
17.772	SS	21.8	95.4
19.719	BB	59.8	2258.7
TOTAL		316216.0	1740190.2

000265
~~000285~~

PBLKS1

Sample: B092088S1 1:5 Channel: E.C.D. 764 Filename: AI100425
Acquired: 05-OCT-88 2:02 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : ~~1,000~~ 5,000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



000266
~~000267~~

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 11:03:23

PBLK 51
SAMPLE: B092088S1 1:5
#25 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 2:02
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100425
Index: Disk
Injection Volume: 3.2
Dilution: ~~1.000~~ KW 5.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.078	DB	59.0	307.0
0.451	BB	19375.0	130538.1
0.729	SV	1295.4	5742.7
0.823	VV	1341.2	5463.1
0.957	VS	253.6	1528.5
1.402	SS	21.9	150.7
3.538	BP	114.4	547.7
3.649	PP	40.9	171.6
3.783	PB	37.6	168.3
7.815	BP	37.4	387.0
7.988	PB	24.1	114.6
9.284	BB	93.5	871.1
9.940	BB	26.1	125.5
11.553	BB	32.4	190.6
17.032	BP	60.6	-145.5
17.327	PP	112.7	951.9
17.572	PB	288.0	1917.1
TOTAL		23213.7	149320.9

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~~000266~~
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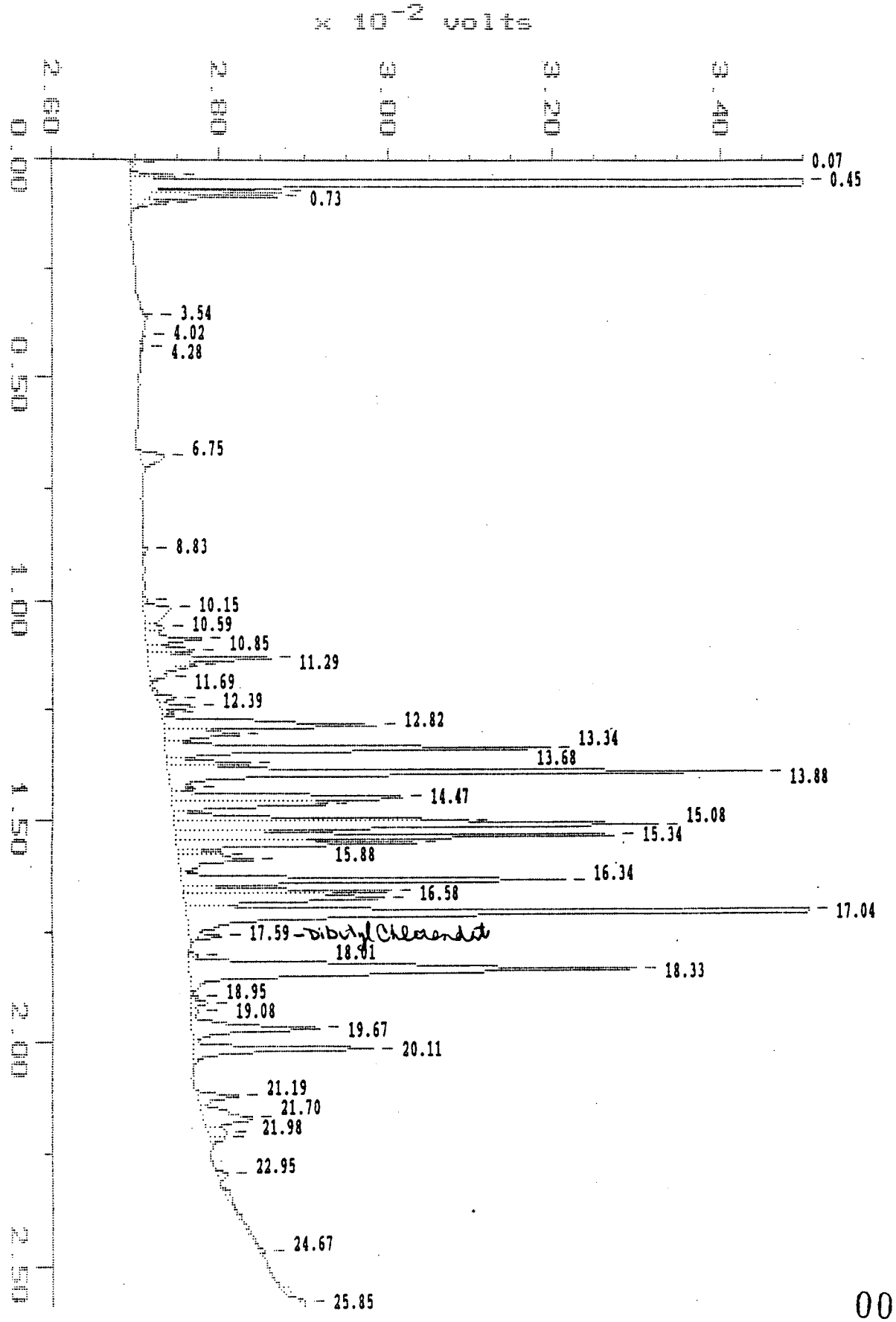
7262

Sample: 88891 1:50 Channel: E.C.D. 764 Filename: AI100426
Acquired: 05-OCT-88 2:33 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : ~~1,000~~ 50,000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



000263

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 11:04:55

7262
SAMPLE: 88891 1:50
#26 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 2:33
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100426
Index: Disk
Injection Volume: 3.2 µl
Dilution: ~~1.000~~ 50.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.072	DB	52.7	227.2
0.334	BP	525.2	2986.6
0.445	PB	31432.9	200359.5
0.729	SV	1510.4	6483.7
0.823	VV	1504.4	6029.4
0.968	VS	306.1	1873.2
3.538	BB	106.7	294.5
4.022	BP	23.6	131.4
4.283	PB	30.2	115.5
6.747	BB	277.9	3886.1
8.828	BB	67.1	500.8
9.957	BP	46.0	260.8
10.152	PP	309.0	5611.8
10.585	PP	203.8	1575.7
10.847	PP	652.6	6267.3
11.092	PP	559.3	4718.1
11.286	PB	1447.7	16465.9
11.453	SS	147.8	938.3
11.692	SS	88.5	472.1
12.187	BP	230.3	1920.2
12.393	PP	404.2	2634.5
12.538	PP	142.7	786.2
12.822	PP	2523.2	24336.2
13.033	PP	877.6	8855.2
13.344	PP	4597.1	38428.5
13.678	PP	998.5	7197.0
13.878	PP	7067.3	58229.3
14.246	SS	111.0	484.4
14.468	PP	2733.2	27007.7
14.607	PP	1832.6	12602.0
14.980	PP	3501.4	20727.8
15.080	PP	5767.0	50047.2
15.336	PP	5227.2	36796.0
15.503	PP	2831.9	20139.6

AI100426 pt

15.736	PP	535.5	3885.0
15.875	PP	881.3	8846.6
16.337	PP	4579.4	33976.3
16.582	PP	2444.3	16979.7
16.738	PP	2353.4	22877.8
17.044	PB	10517.6	92911.5
17.589	SS	287.7	1690.2
18.006	BP	111.6	650.7
18.334	PP	5320.2	69481.6
18.951	PP	80.5	420.8
19.079	PP	190.3	1364.1
19.269	PP	87.5	722.7
19.669	PP	1501.1	16232.0
20.114	PB	2130.5	17406.7
21.193	BP	486.3	4199.5
21.699	PP	580.7	9670.0
21.983	PP	233.4	2643.9
22.122	PB	175.1	1083.7
22.945	BB	115.2	1081.5
24.670	BB	49.9	1786.4
25.849	BB	39.1	-2400.6
		---	---
TOTAL		110837.6	879701.0

7262

Sample: 88891 1:10 Channel: E.C.D. 764 Filename: AI100428
Acquired: 05-OCT-88 3:34 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1,000 Kit 10.0 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.

KAT

x 10^{-2} volts

x 10^{4} minutes

0.07
0.45
0.73
1.92
3.28
3.54
4.28
4.77
5.94
6.66
7.05
7.51
8.08
8.56
8.82
9.25
9.60
10.09
10.57
11.07
11.28
11.69
12.39
12.82
13.33
13.68
13.88
14.45
15.07
15.34
15.88
16.34
16.73
17.04
17.59 - Dirty Chlordane
18.00
18.33
18.95
19.08
19.67
20.11
21.19
21.67
21.95
22.41
22.31
23.30
23.87
24.65
24.94
25.40
25.77

000271

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 11:08:09

7262

SAMPLE: 88891 1:10

#28 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 3:34
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100428
Index: Disk
Injection Volume: 3.2 ul
Dilution: ~~1.000~~ 10.00

DETECTOR: E.C.D. 764

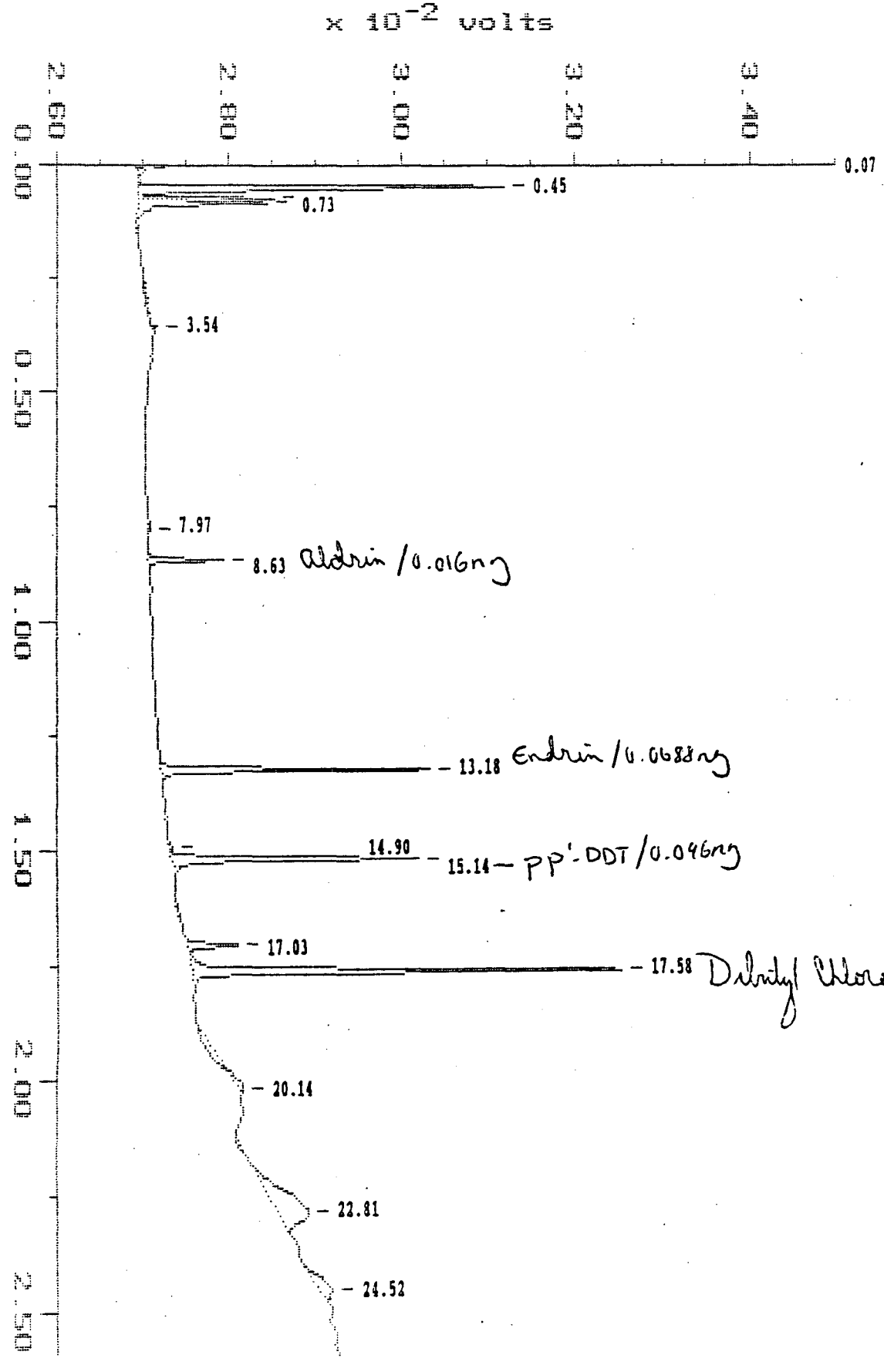
Retention Time (minutes)	Type	Peak Height	Peak Area
0.072	DB	49.6	178.5
0.334	BP	2611.4	14459.1
0.445	PB	33420.3	222686.7
0.729	SV	1534.0	6548.1
0.823	VV	1471.8	5820.7
0.968	VS	1408.6	9011.0
1.919	BB	24.2	110.4
3.282	BB	23.1	-136.7
3.538	BP	145.0	726.0
3.744	PB	29.8	163.3
4.278	BB	21.3	99.2
4.773	BB	102.4	850.3
5.618	BB	23.6	98.6
5.935	BB	61.8	578.3
6.664	BB	2740.4	35092.0
7.053	SS	49.8	321.9
7.515	BB	163.1	1239.1
7.877	BP	47.3	298.9
8.082	PP	228.9	1630.7
8.227	PB	142.0	980.4
8.555	BP	174.5	1137.1
8.822	PP	341.3	3084.6
9.250	PB	227.9	1408.5
9.595	BP	269.4	1309.0
9.673	PP	267.1	1407.4
9.946	PP	41.5	69.0
10.090	PP	2665.0	30573.0
10.574	PP	931.0	5915.2
10.847	PP	2495.3	24404.9
11.069	PP	2752.1	22425.8
11.281	PP	6146.6	66964.0
11.448	SS	823.1	6345.2
11.687	SV	236.2	-203.7
11.854	VS	-323.4	-1730.5

AI100428

12.176	PP	1246.7	9636.1
12.388	PP	2292.2	14953.3
12.538	PP	936.0	5354.9
12.822	PP	11090.2	113121.6
13.016	PP	4254.2	46477.1
13.333	PP	20180.7	168820.2
13.678	PP	5328.1	36984.7
13.878	PP	34819.7	267980.8
14.246	PP	1483.2	9742.5
14.451	PP	15035.8	188558.7
14.607	SS	1951.6	9711.7
14.974	PP	18702.4	111481.6
15.074	PP	28724.7	242651.5
15.336	PP	25488.9	179956.3
15.503	PP	14905.6	104375.5
15.714	PP	4369.6	36224.9
15.875	PP	4612.8	41014.1
16.026	SS	218.4	1109.0
16.337	PP	22380.8	174745.9
16.587	PP	12668.7	85666.1
16.726	PP	13556.8	134454.6
17.044	PP	55105.8	482869.2
17.372	SS	235.4	1259.7
17.594	SS	1601.1	9200.4
18.000	PP	874.5	7564.1
18.334	PP	29183.6	377127.6
18.946	PP	540.9	2862.1
19.079	PP	1202.1	8513.5
19.274	PP	462.9	4166.3
19.491	PP	2955.1	20302.7
19.669	PP	8258.7	78614.3
20.114	PP	12191.4	103475.4
20.865	SS	52.1	288.8
21.188	PP	2917.4	27083.2
21.494	PP	1715.5	11156.7
21.672	PP	3670.9	42476.0
21.950	PP	1681.4	24429.5
22.117	SS	95.2	669.3
22.406	SS	33.4	192.9
22.712	PP	187.5	1351.9
22.912	PP	937.2	9657.8
23.301	PB	671.1	8401.5
23.869	BP	285.4	1802.0
24.386	PP	157.7	2325.7
24.647	PP	296.1	1880.3
24.942	PP	20.6	87.2
25.404	PP	199.3	1648.3
25.766	PB	740.6	6182.6
		---	---
TOTAL		432513.1	3686618.2

Sample: SVAL B Channel: E.C.D. 764 Filename: AI100430
Acquired: 05-OCT-88 4:36 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.

KAT



000274

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 11:10:36

SAMPLE: EVAL B
#30 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 4:36
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100430
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

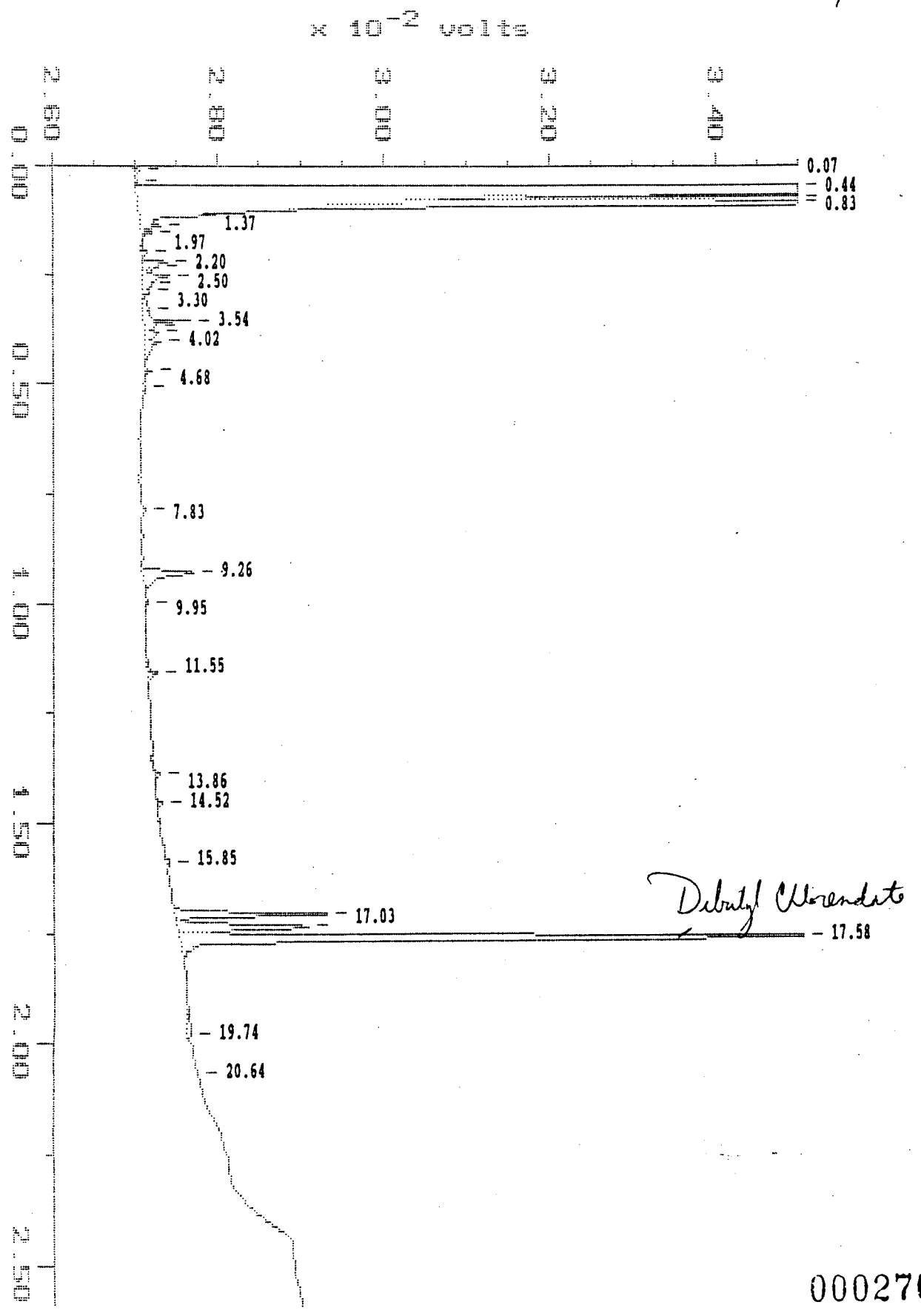
DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.072	DB	61.5	310.8
0.445	BP	4256.8	25500.0
0.729	PP	1572.1	7227.3
0.823	PB	1506.2	8070.5
3.538	BB	81.9	-1793.9
7.966	BB	24.7	119.6
8.627	BB	869.4	4298.1
13.183	BB	3118.6	17525.0
14.896	BP	33.3	187.9
15.136	PB	2833.1	18510.4
17.027	BB	592.7	3344.6
17.578	BB	4914.5	32854.4
20.136	BB	22.1	-4153.5
22.812	BB	372.9	15281.0
24.520	BB	114.0	2651.4
TOTAL		20373.8	141828.1

Field Blank

Sample: 88886 1:1 Channel: E.C.D. 764 Filename: AI100431
Acquired: 05-OCT-88 5:07 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.

KAT



Dibutyl Phenolate

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 11:11:54

SAMPLE: 88886 1:1
#31 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 5:07
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

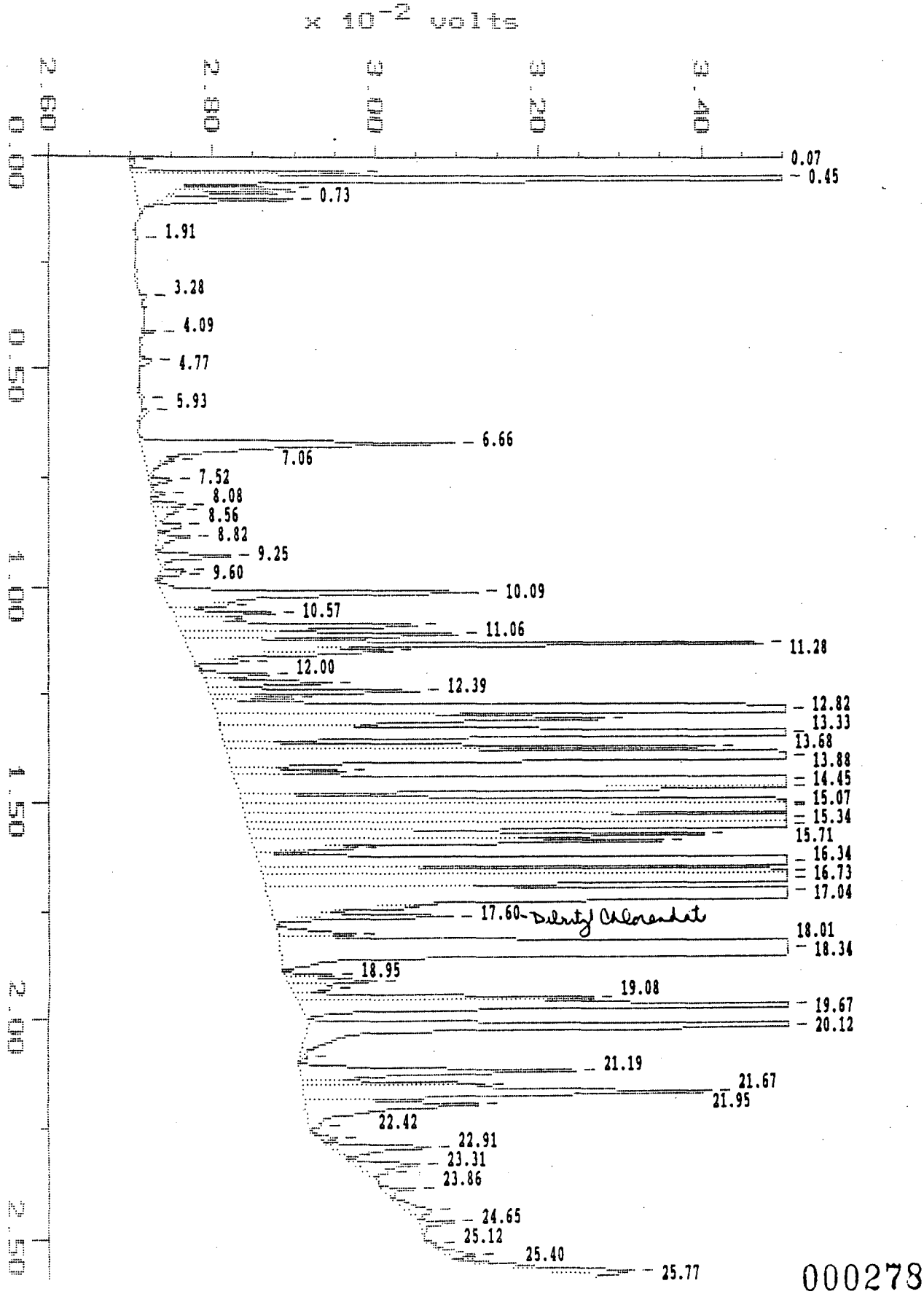
Type: UNKN
Instrument: HP764
Filename: AI100431
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.072	DP	63.2	316.2
0.328	PP	27.2	115.2
0.439	PB	>973001.7	>4638208.7
0.734	SV	9323.6	36880.2
0.829	VS	12114.6	53600.1
1.374	SS	146.2	650.4
1.535	SS	73.7	259.6
1.969	BP	55.9	365.1
2.203	PP	313.2	2950.2
2.286	SS	30.6	191.6
2.503	PP	344.5	3978.0
2.709	SV	22.9	133.2
2.865	VS	52.5	330.0
3.299	PP	84.8	1169.6
3.538	PP	555.5	3599.4
3.655	SS	28.7	93.7
3.794	PP	181.7	1498.1
4.022	PB	205.4	1792.7
4.678	BB	87.3	274.6
5.056	BB	27.3	144.1
7.826	BB	49.6	238.6
9.262	BB	614.3	6143.4
9.946	BB	32.8	181.5
11.553	BB	120.6	836.1
13.862	BB	62.9	386.0
14.518	BB	84.5	546.8
15.853	BB	29.8	-322.3
17.027	BP	1856.2	12306.2
17.316	PP	1588.3	13829.5
17.578	PB	12270.8	82643.1
19.736	BB	54.4	1944.8
20.637	BB	21.3	117.1
TOTAL		40524.2	227837.4

7262 ms

Sample: M88891 1:10 Channel: E.C.D. 764 Filename: AI100433
Acquired: 05-OCT-88 16:08 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : ~~1.000~~ 10.00 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



000278

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 11:15:14

7262 MS

SAMPLE: M88891 1:10
#33 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 6:08
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100433
Index: Disk
Injection Volume: 3.2
Dilution: ~~1.000~~ 10.00

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.072	DP	63.4	330.6
0.345	PP	2802.6	16266.0
0.445	PB	14536.5	106537.4
0.729	SV	1370.0	5893.9
0.823	VV	1297.7	4924.6
0.973	VS	1605.2	10403.4
1.914	BB	27.1	197.7
3.282	BB	81.3	357.9
4.094	BB	175.2	569.3
4.773	BB	145.2	1182.6
5.618	BB	47.8	258.5
5.930	BB	87.0	696.9
6.658	BP	3841.6	46112.1
7.059	SS	106.1	713.5
7.521	SS	250.8	1939.6
7.826	PP	184.5	1172.8
8.077	PP	402.7	2938.0
8.227	PP	301.8	3308.6
8.561	PP	309.7	2710.0
8.822	PP	392.2	3385.4
9.250	PP	884.3	6465.7
9.595	PP	299.7	2559.6
9.662	SS	44.5	276.6
10.090	PP	3865.4	43765.9
10.374	SS	105.1	535.3
10.574	PP	1233.8	8254.9
10.847	PP	2928.6	30260.0
11.064	PP	3370.5	27593.6
11.281	PP	7044.1	67428.5
11.453	SS	998.3	7787.7
11.687	SS	395.9	1900.0
11.998	PP	815.7	5376.8
12.187	PP	1539.9	11676.1
12.388	PP	2587.3	16098.6

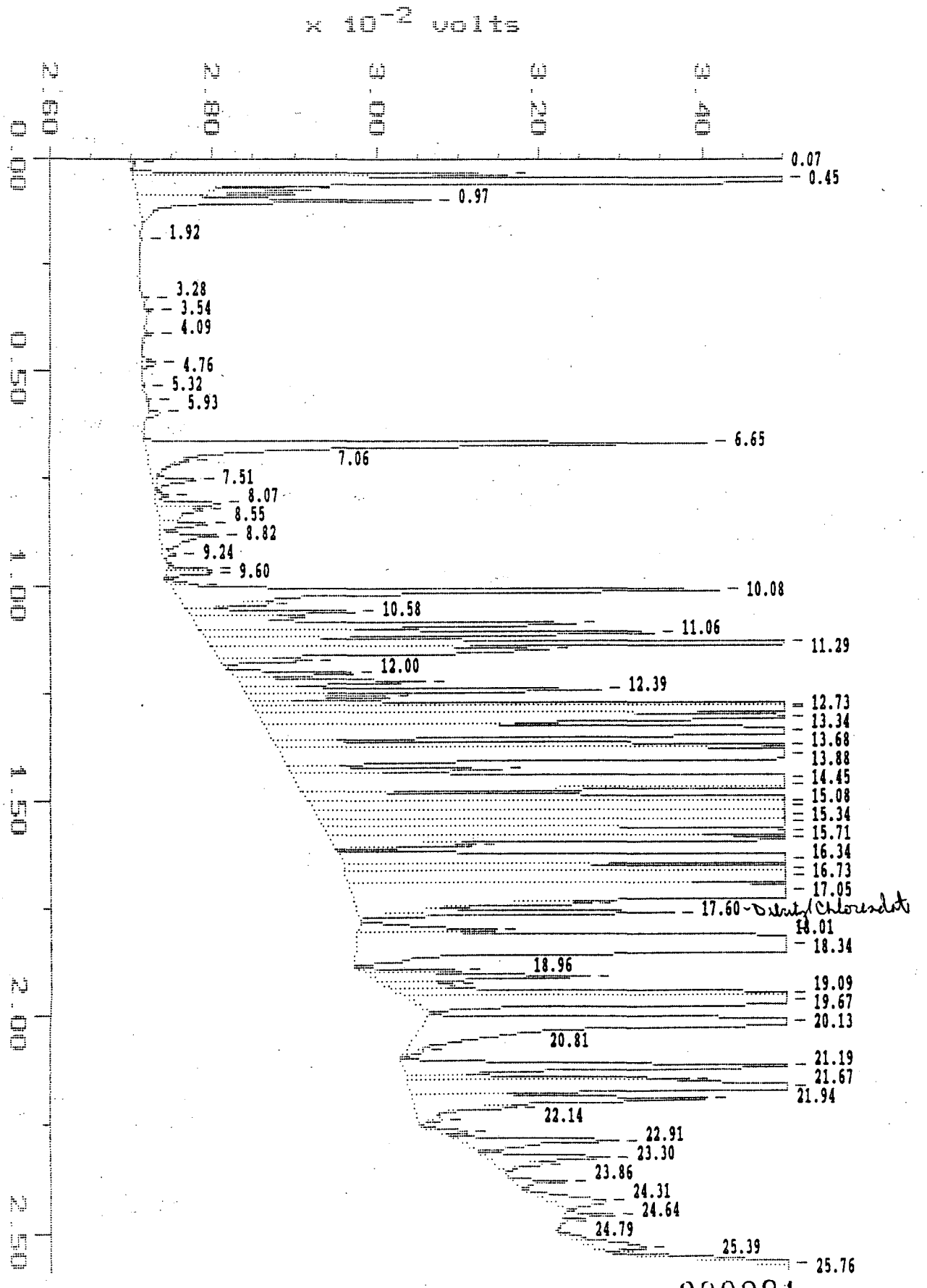
AI100433 Part

12.543	PP	997.8	5513.5
12.822	PP	12385.7	126830.7
13.022	PP	4725.6	50251.8
13.333	PP	22808.6	188713.8
13.678	PP	5969.9	39957.3
13.878	PP	39631.5	297350.1
14.246	PP	1388.8	8779.6
14.451	PP	17214.3	210659.8
14.613	SS	2264.4	10608.8
14.974	PP	20849.8	122245.7
15.074	PP	32447.0	272168.0
15.336	PP	28318.6	201421.1
15.503	PP	16455.8	113045.4
15.714	PP	5546.7	44216.3
15.875	PP	5021.8	43355.4
16.031	SS	390.1	1882.5
16.343	PP	25094.9	195443.8
16.593	PP	14105.0	93496.6
16.732	PP	15109.5	151693.8
17.044	PP	61649.3	522242.2
17.372	SS	288.4	1599.9
17.600	SS	1769.7	10539.6
18.006	PP	953.0	7765.6
18.340	PP	32455.4	420211.6
18.951	PP	611.8	3366.8
19.085	PP	1097.9	7614.6
19.241	PP	501.9	4489.7
19.491	PP	3602.4	26964.0
19.675	PP	8347.2	74598.4
20.120	PP	13548.6	109355.7
20.854	SS	60.9	366.3
21.193	PP	3339.1	31701.2
21.499	PP	2211.0	14412.1
21.672	PP	4952.7	54740.0
21.950	PP	2086.0	28899.8
22.417	SS	32.9	183.3
22.712	PP	213.7	1482.3
22.912	PP	1202.0	11274.2
23.307	PB	793.3	8549.5
23.485	SS	67.7	268.9
23.863	BP	381.7	2225.8
24.369	PP	273.9	3934.2
24.647	PP	421.8	2922.1
25.120	PP	51.4	214.7
25.398	PP	312.8	2730.1
25.766	PB	1070.5	9829.5
TOTAL		467164.2	3979994.3

7262

Sample: 88891 1:5 Channel: E.C.D. 764 Filename: AI100434
Acquired: 05-OCT-88 6:39 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : ~~1.000~~ 5.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.

KAT



000281

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 11:16:56

SAMPLE: 88891 1:5 7262
#34 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 6:39
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100434
Index: Disk
Injection Volume: 3.2 KAT
Dilution: ~~1.000~~ 5.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.067	DB	53.5	213.4
0.339	BP	4594.6	26070.1
0.445	PP	21201.7	153856.2
0.729	SS	1227.0	8732.3
0.968	PB	3592.8	29099.2
1.919	BB	39.3	193.3
3.282	BB	63.1	264.4
3.538	BB	99.3	279.1
4.094	BB	131.0	416.8
4.762	BB	181.0	1631.4
5.318	BB	40.2	241.3
5.618	BB	58.1	196.7
5.930	BB	167.1	1411.5
6.647	BP	6881.4	73557.8
7.059	SS	116.5	680.7
7.515	SS	460.5	3626.1
7.877	PP	163.4	1010.7
8.071	PP	792.0	5943.9
8.221	PP	553.5	6329.7
8.550	PP	596.0	4742.3
8.822	PP	705.8	7735.4
9.245	PB	161.5	988.5
9.601	BP	545.9	2697.7
9.673	PP	546.0	2808.1
9.957	PP	328.2	1693.6
10.085	PP	6667.5	67424.5
10.374	SS	189.1	1047.1
10.580	PP	2027.0	13082.0
10.852	PP	4624.2	47537.4
11.064	PP	5523.6	45305.6
11.286	PP	11220.3	78692.2
11.459	PP	4085.9	39921.7
11.692	PP	1102.4	6587.9
11.998	PP	1471.4	9865.0

AI00434 14

12.182	PP	2267.6	16912.1
12.393	PP	4366.0	27500.0
12.543	PP	1708.0	9372.1
12.733	PP	12762.4	60766.1
12.827	PP	19978.8	144519.2
13.022	PP	7907.7	86981.5
13.339	PP	37267.8	303128.5
13.684	PP	10193.0	66653.0
13.878	PP	66937.2	495802.8
14.251	PP	2594.4	15774.9
14.451	PP	29603.2	350597.7
14.618	SS	3464.0	15751.4
14.980	PP	35357.4	209665.4
15.080	PP	54276.6	448191.5
15.341	PP	47740.3	333355.9
15.508	PP	28281.9	196348.6
15.709	PP	9167.6	73251.2
15.881	PP	8217.7	64073.2
16.031	SS	607.6	2796.3
16.343	PP	41855.3	325185.6
16.593	PP	23738.5	153391.0
16.726	PP	26063.6	265906.7
17.049	PP	105646.4	905995.9
17.377	SS	629.1	3358.4
17.600	SS	3308.8	19517.7
18.011	PP	1688.0	13698.6
18.340	PP	56121.0	731696.6
18.957	PP	1191.9	6303.0
19.091	PP	2659.0	19628.9
19.291	PP	831.1	6425.7
19.480	PP	6736.4	51498.0
19.675	PP	15803.6	138635.6
20.125	PP	24456.3	217816.1
20.809	SS	41.8	558.1
21.193	PP	5861.0	54115.0
21.494	PP	3439.5	21074.1
21.666	PP	7898.9	87271.6
21.944	PP	3616.7	46251.5
22.144	SS	303.6	1397.9
22.428	SS	139.0	789.5
22.712	PP	340.6	2599.1
22.912	PP	1948.5	18562.9
23.296	PP	1514.3	16691.0
23.474	SS	121.1	554.7
23.863	PP	649.6	4045.1
24.314	PP	718.0	10880.6
24.642	PP	611.4	3449.4
24.787	SS	47.4	172.3
25.387	PP	645.2	8521.7
25.760	PB	2007.4	18644.9

AI100434

TOTAL	803543.2	6719961.8

7262 mj

Sample: M88891 1:5 Channel: E.C.D. 764 Filename: AI100435
Acquired: 05-OCT-88 7:10 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : ~~1,000~~ 5,000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.

KAT

x 10^{-2} volts

x 10^{4} minutes

0.07
0.45
0.97
1.91
3.28
3.54
4.09
4.38
4.76
5.92
6.29
6.64
7.05
7.51
8.06
8.22
8.82
9.25
9.60
10.08
10.57
11.06
11.28
11.99
12.39
12.73
13.33
13.68
13.88
14.45
15.07
15.34
15.70
16.34
16.73
17.04
17.60 — Delnav Chlorendate
18.01
18.33
18.95
19.08
19.67
20.12
21.19
21.66
21.94
22.42
22.91
23.29
23.86
24.30
24.64
24.78
25.38
25.75

000285

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 11:18:45

7262 MS

SAMPLE: M88891 1:5
#35 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 7:10
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100435
Index: Disk
Injection Volume: 3.2 µl
Dilution: ~~1.000~~ 5.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.072	BB	80.1	426.9
0.339	BP	4928.5	28283.3
0.445	PB	34260.6	242121.6
0.729	SV	1331.8	5583.7
0.968	VS	3549.0	26962.6
1.908	BP	48.2	199.3
1.997	PB	33.6	122.6
3.282	BB	170.7	586.3
3.538	BP	103.1	306.8
3.655	PB	25.5	124.7
4.094	BP	502.9	1683.4
4.378	PB	29.2	117.2
4.762	BP	223.6	2015.0
5.029	PB	22.8	68.7
5.613	BB	102.3	305.9
5.924	BB	218.5	1581.7
6.291	SS	24.2	111.8
6.508	BP	23.4	120.6
6.642	PP	9486.9	87704.2
7.053	SS	199.2	1304.1
7.509	PP	673.4	5031.6
7.832	PP	363.0	2257.5
8.060	PP	1062.5	7190.5
8.216	PP	574.1	4276.5
8.405	SS	37.4	142.2
8.550	PP	620.0	4646.4
8.822	PP	675.6	5692.8
9.045	SS	62.6	279.2
9.250	PP	1367.2	10335.5
9.601	PP	594.7	5521.5
10.079	PP	8948.6	85523.8
10.380	SS	312.9	1431.7
10.574	PP	2404.5	14923.6
10.702	PP	1595.0	8937.4

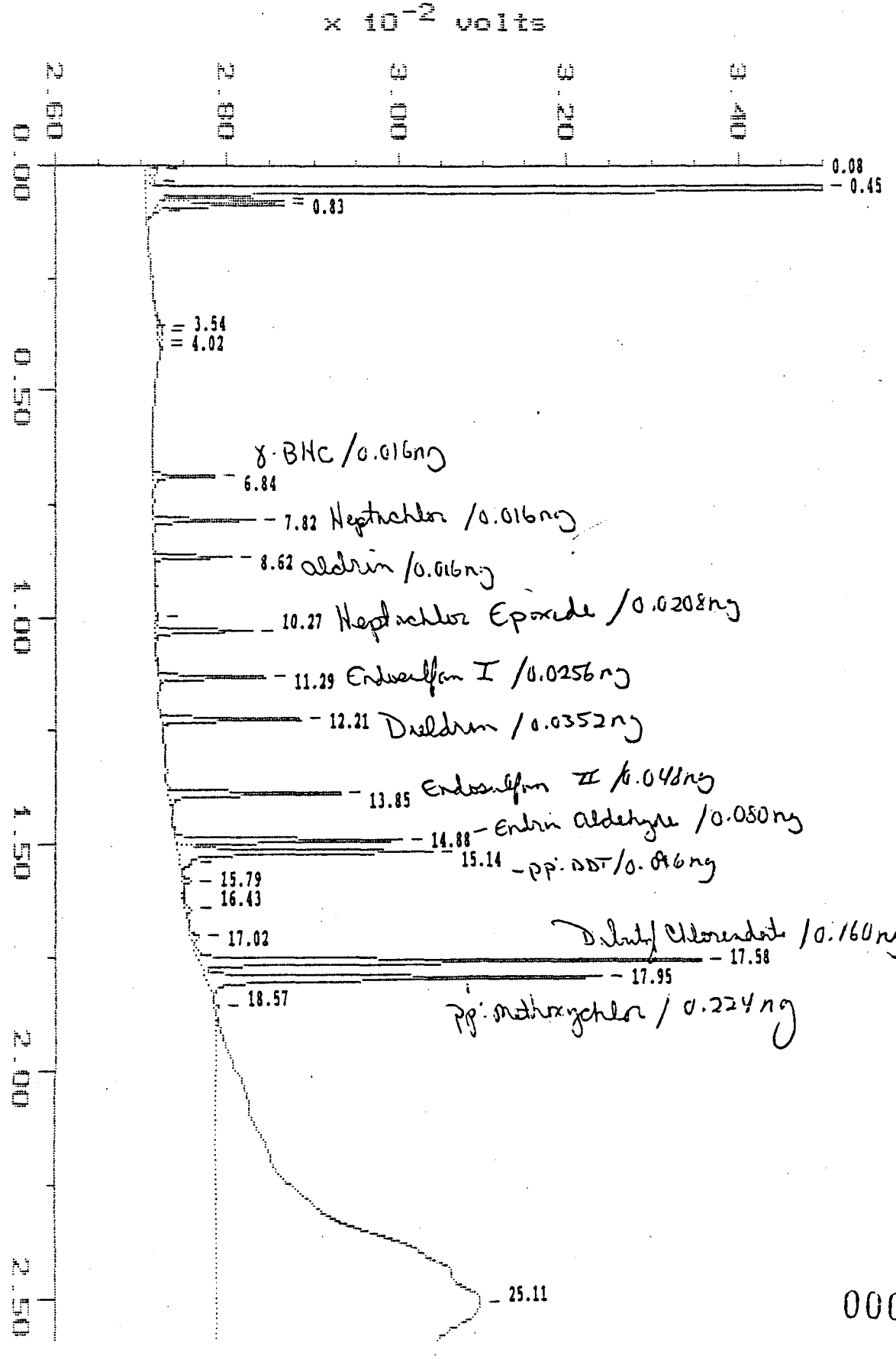
AT100435

10.858	PP	5278.7	47866.9
11.058	PP	6608.8	53303.6
11.281	PP	12706.2	87816.3
11.459	PP	4574.7	46342.9
11.692	PP	1166.8	6700.2
11.987	PP	2168.8	15159.7
12.187	PP	2908.8	21657.5
12.388	PP	4889.1	29821.7
12.538	PP	1813.8	9602.6
12.727	PP	14240.0	66226.4
12.827	PP	22096.5	162302.7
13.016	PP	8705.1	91932.6
13.333	PP	42287.0	334748.8
13.678	PP	11018.9	70036.4
13.878	PP	75252.8	542098.7
14.246	PP	2027.9	9934.6
14.451	PP	33547.0	381117.3
14.613	SS	3941.1	18775.6
14.980	PP	39558.8	226052.1
15.074	PP	60997.1	503099.6
15.336	PP	52985.1	373374.9
15.508	PP	31428.8	214015.4
15.703	PP	11544.8	92182.6
15.881	PP	9228.1	70969.1
16.026	SS	832.9	4114.2
16.343	PP	47784.6	371590.1
16.593	PP	26913.4	170887.2
16.726	PP	29273.5	301280.0
17.044	PP	118888.0	1004148.7
17.377	SS	904.3	4387.2
17.600	SS	3662.6	21631.5
18.006	PP	2017.9	17967.8
18.334	PP	63474.3	822552.8
18.951	PP	1514.3	8565.4
19.085	PP	2752.5	24235.6
19.280	PP	1356.2	8730.4
19.474	PP	8973.4	71608.3
19.675	PP	17099.7	158482.2
20.120	PP	28253.0	294380.1
21.188	PP	6627.4	60712.0
21.488	PP	4610.1	29055.0
21.660	PP	10654.8	109545.7
21.939	PP	4163.6	47057.5
22.417	SS	234.2	2092.4
22.706	PP	422.6	3202.7
22.906	PP	2923.3	26843.0
23.290	PP	1879.6	21503.9
23.457	SS	127.2	726.9
23.863	PP	846.4	5161.7
24.303	PP	1371.7	19894.5

AI00435

24.642	PP	871.1	4421.7
24.775	SS	46.1	145.1
25.382	PP	1001.2	16449.6
25.754	PB	2833.5	25858.1
		---	---
TOTAL		927943.9	7688290.4

Sample: IND A 50% Channel: E.C.D. 764 Filename: AI100437
Acquired: 05-OCT-88 8:12 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



000289

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 12:01:59

SAMPLE: IND A 50%
#37 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 8:12
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

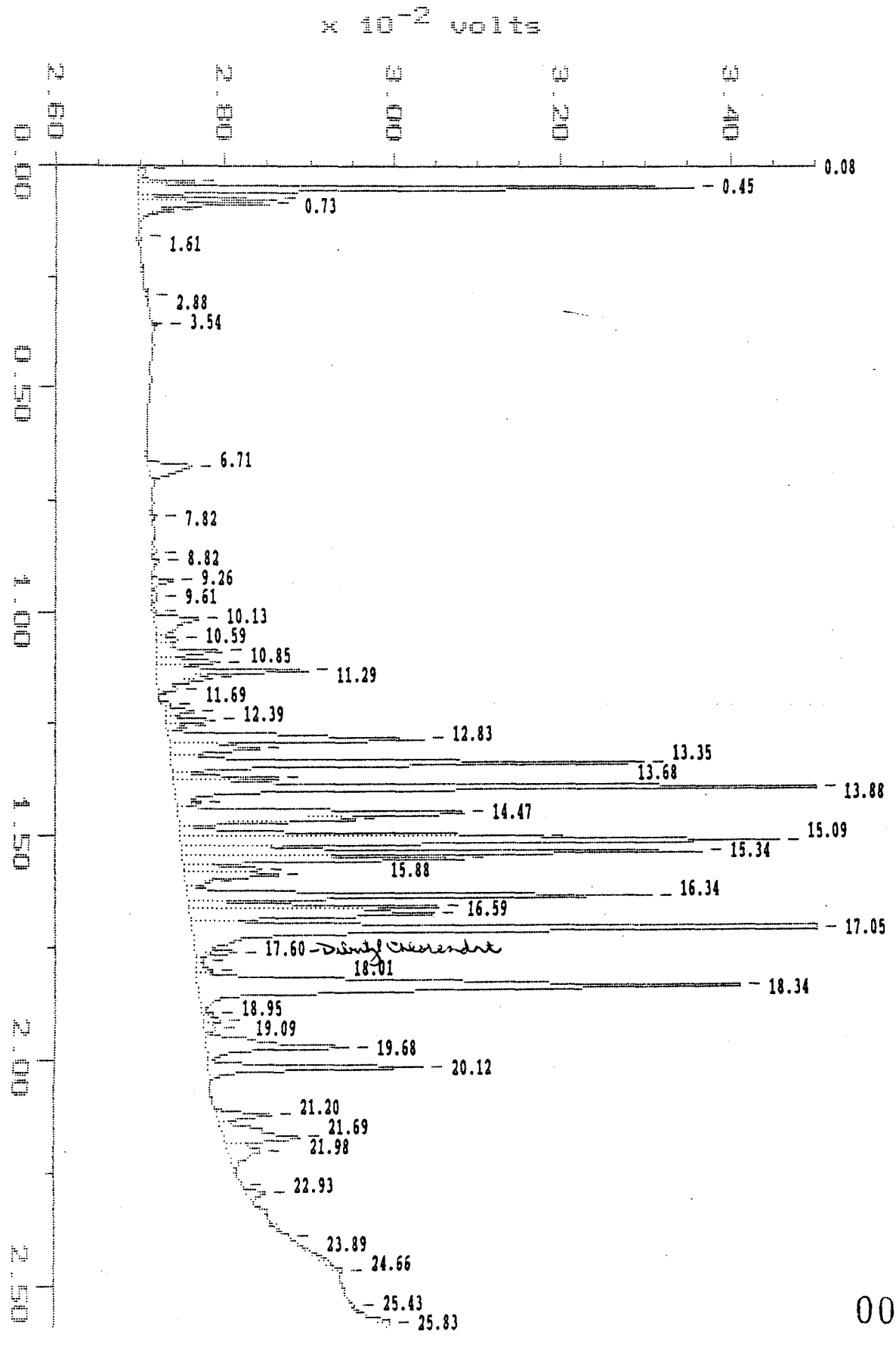
Type: UNKN
Instrument: HP764
Filename: AI100437
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.078	DP	148.1	1480.6
0.328	PP	99.9	795.4
0.445	PB	22747.5	136150.6
0.729	SV	1394.0	6037.8
0.829	VV	1443.1	5791.5
0.968	VS	63.2	365.3
3.538	BP	90.4	315.7
3.655	PP	53.6	371.4
3.860	PP	33.1	287.8
4.022	PB	36.2	226.8
6.836	BB	720.3	3170.8
7.815	BB	1168.4	5630.8
8.622	BB	912.7	4488.9
9.957	BP	37.0	641.7
10.268	PB	1132.8	6080.5
11.286	BB	1249.8	6685.1
12.210	BB	1625.3	8966.6
13.851	BB	2008.4	12052.4
14.880	BP	2627.6	16409.8
15.136	PB	2959.4	20547.1
15.386	SS	46.0	219.8
15.792	BB	109.4	667.5
16.432	BB	49.7	217.0
17.021	BB	91.2	585.3
17.578	BP	5878.2	38067.0
17.950	PB	4634.0	31813.2
18.573	BB	37.0	206.5
25.115	BD	3067.3	547760.8
TOTAL		54463.6	856033.8

7262 MS

Sample: M88891 1:50 Channel: E.C.D. 764 Filename: AI100443
Acquired: 05-OCT-88 11:34 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 50.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



000291

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 14:07:41

SAMPLE: M88891 1:50
#43 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 11:34
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

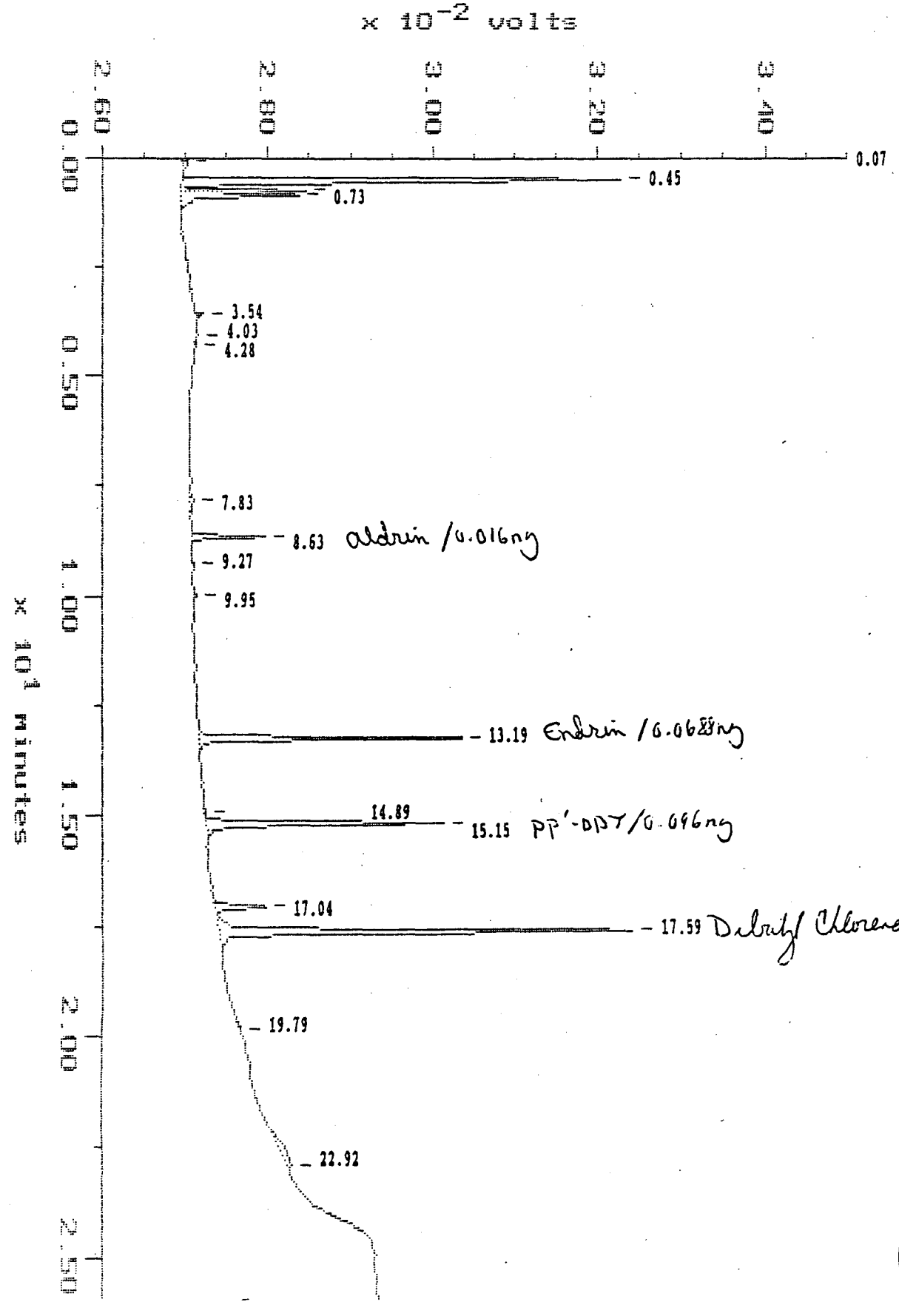
Type: UNKN
Instrument: HP764
Filename: AI100443
Index: Disk
Injection Volume: 3.2
Dilution: 50.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.078	DP	83.4	641.4
0.323	PP	649.9	3880.6
0.445	PP	6602.2	39416.8
0.729	PP	1611.9	7761.8
0.829	PB	1550.0	8908.9
0.973	SS	212.8	1178.6
1.608	BB	31.7	318.9
2.881	BB	26.7	-116.9
3.538	BB	104.4	348.6
6.714	BB	488.2	6593.4
7.821	BB	57.3	399.6
8.622	BP	51.3	375.5
8.822	PB	65.2	316.3
9.262	BP	250.0	2050.9
9.606	PB	69.7	711.7
9.951	BP	39.1	192.3
10.129	PP	515.9	7838.1
10.585	PP	256.1	1940.7
10.852	PP	757.7	7226.7
11.086	PP	737.4	6086.8
11.292	PP	1783.5	18853.8
11.459	SS	204.1	1302.5
11.692	SS	104.1	565.0
12.032	PP	94.5	545.9
12.187	PP	349.8	2762.1
12.393	PP	562.1	3622.6
12.543	PP	218.4	1259.5
12.827	PP	3033.8	29652.9
13.033	PP	1060.7	10820.0
13.350	PP	5601.6	46285.7
13.684	PP	1233.5	8534.3
13.884	PP	8720.6	68350.3
14.251	SS	138.2	598.8
14.468	PP	3408.4	45020.5

14.613	SS	519.2	2547.8
14.980	PP	4313.8	25014.1
15.086	PP	7087.7	59734.2
15.341	PP	6149.8	43067.4
15.508	PP	3333.2	22604.6
15.736	PP	914.1	7244.1
15.881	PP	1107.9	11063.1
16.026	SS	26.9	202.3
16.343	PP	5496.0	41252.0
16.593	PP	2955.4	20114.5
16.743	PP	2887.8	28093.6
17.049	PP	12673.3	109262.3
17.600	SS	334.5	1965.2
17.800	PP	82.4	535.7
18.006	PP	197.6	1615.4
18.340	PP	6416.9	83221.0
18.951	PP	132.1	850.5
19.091	PP	211.4	1581.7
19.257	PP	142.0	1338.8
19.680	PP	1692.7	20279.1
20.120	PB	2539.6	19631.3
21.199	BP	631.3	5167.5
21.694	PP	889.3	14173.0
21.977	PP	383.0	6604.7
22.745	PP	27.5	210.8
22.929	PB	221.1	2066.6
23.891	BP	30.8	-916.8
24.664	PB	92.5	1817.2
25.426	BP	27.9	-101.8
25.827	PB	94.1	775.7
		---	---
TOTAL		102286.1	867531.2

Sample: SVAL B Channel: E.C.D. 764 Filename: AI100445
Acquired: 05-OCT-88 12:36 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



aldrin /0.016ng

Endrin /0.068ng

PP'-DDT/0.096ng

Dibutyl Chlorendate /0.160ng

000294

MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 14:10:21

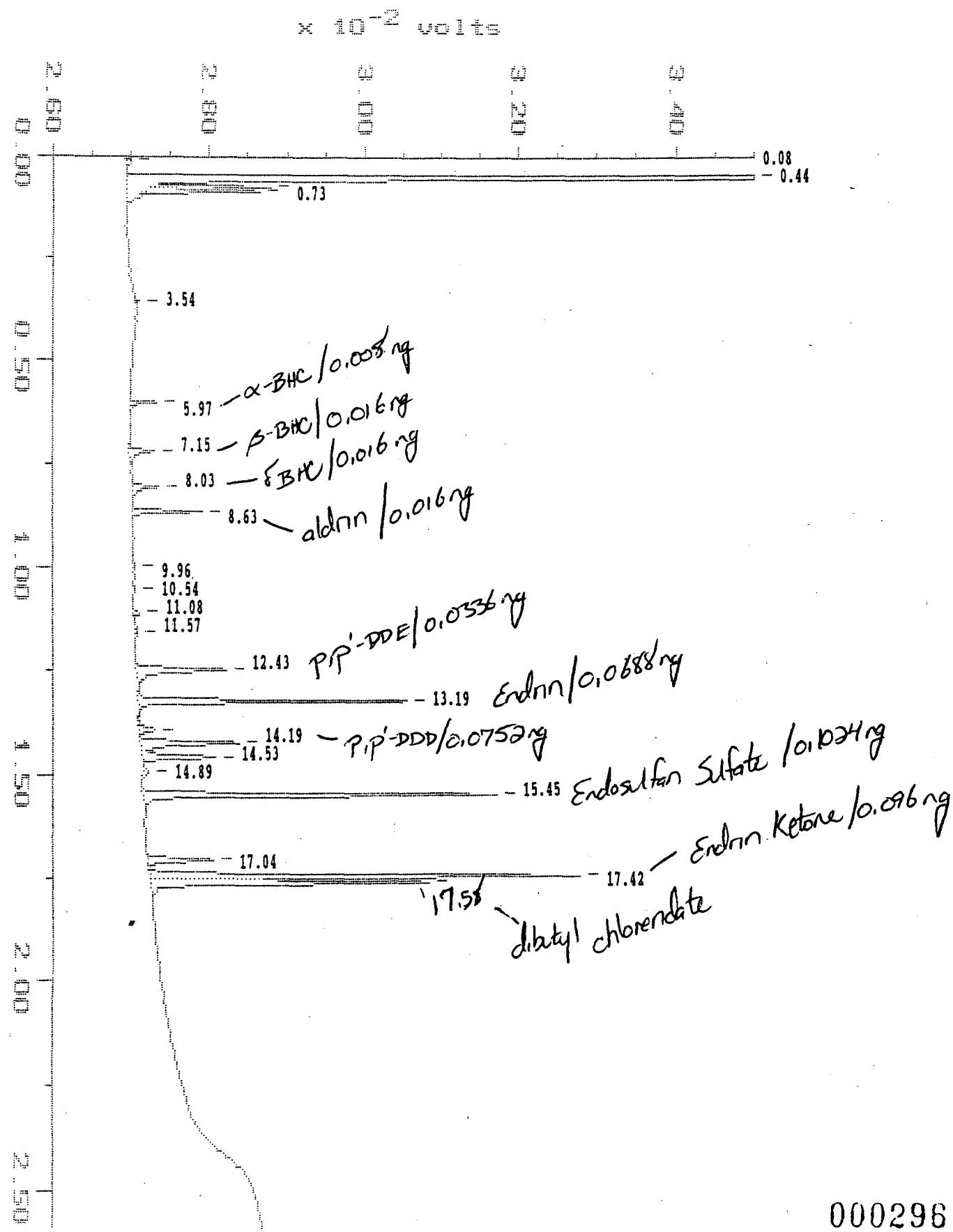
SAMPLE: EVAL B
#45 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 12:36
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100445
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.072	DB	48.8	158.4
0.451	BP	5306.4	33500.1
0.729	PP	1529.6	7170.1
0.823	PB	1442.4	7536.0
3.538	BB	89.0	359.7
4.033	BP	21.0	127.0
4.283	PB	24.4	79.6
7.826	BB	35.5	478.5
8.633	BB	878.1	4281.0
9.273	BB	28.1	174.7
9.951	BB	30.5	199.7
13.189	BB	3189.0	18014.4
14.891	BP	35.3	212.4
15.147	PB	2871.4	18960.8
17.038	BB	613.7	4047.8
17.589	BB	4978.3	33433.3
19.791	BB	21.8	252.5
22.923	BB	39.8	1589.7
TOTAL		21183.1	130575.8

Sample: IND B 50% Channel: E.C.D. 764 Filename: AI100453
Acquired: 05-OCT-88 16:45 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 17:15:22

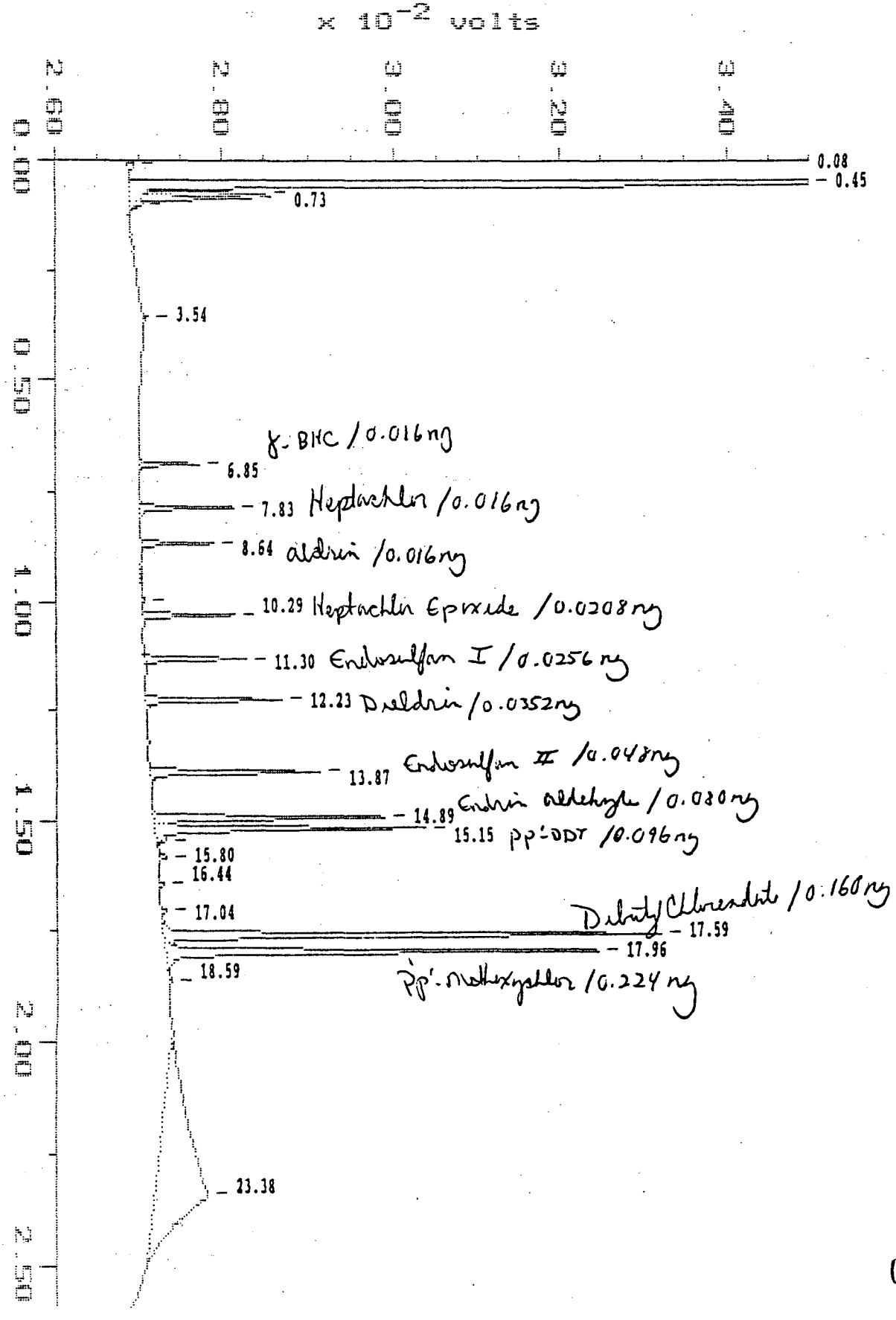
SAMPLE: IND B 50%
#53 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 16:45
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100453
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.078	DB	70.1	459.3
0.439	BB	14896.2	90868.5
0.729	SV	1490.6	6292.7
0.829	VS	1442.2	5523.3
3.538	BB	61.4	168.0
5.974	BB	336.1	1524.0
7.153	BB	309.5	2169.1
8.032	BB	344.4	2143.5
8.627	BB	901.8	4344.8
9.962	BB	25.0	117.4
10.535	BB	21.7	79.4
11.081	BB	80.9	409.5
11.570	BB	36.6	366.7
12.432	BB	1147.2	8557.8
13.189	BB	3429.5	19108.5
13.878	BP	201.8	1586.0
14.190	PP	1258.3	9527.7
14.535	PB	939.7	6186.4
14.885	BB	81.9	519.5
15.453	BB	4534.1	27260.9
17.038	BP	827.1	5360.5
17.422	PP	5495.4	33108.9
17.583	PB	3548.0	23243.2
TOTAL		41479.5	248925.8

Sample: IND A 50% Channel: E.C.D. 764 Filename: AI100455
Acquired: 05-OCT-88 17:36 Method: C:\MAX\764\AI1004MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



MAXIMA 820 CUSTOM REPORT

Printed: 5-OCT-1988 18:05:16

SAMPLE: IND A 50%
#55 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 5-OCT-1988 17:36
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100455
Index: 55
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.078	BB	76.5	544.1
0.445	BB	23453.5	135542.0
0.729	SV	1442.1	6209.2
0.829	VV	1331.8	5526.5
0.973	VS	66.8	377.0
3.543	BB	51.6	174.6
6.853	BB	712.9	3074.4
7.832	BB	1117.9	5511.8
8.639	BB	860.1	4204.9
9.957	BB	26.6	456.8
10.285	BB	1082.8	5698.8
11.303	BB	1223.7	6582.4
12.226	BB	1612.1	8708.8
13.867	BB	2020.2	11665.4
14.891	BP	2711.8	16840.8
15.147	PB	3179.4	21191.5
15.408	SS	46.4	215.7
15.798	BB	89.6	503.4
16.443	BB	60.8	454.3
17.044	BB	79.8	505.0
17.594	BP	5907.8	38439.0
17.961	PB	5132.9	34756.5
18.590	BB	39.9	230.7
23.385	BB	622.0	84264.7
TOTAL		52949.0	391678.1

Pesticide Evaluation Standards Summary
(Page 1)

ETR
~~Case~~ No: 14944 Region: LMS

Contract No: ——

Date of Analysis: 06-OCT-88

Laboratory: Aquatec, Inc.

GC Column: FSC RTX-35

Instrument ID: 764 COLUMN # 16

Evaluation Check for Linearity

Laboratory ID	EVALUATION MIX A	EVALUATION MIX B	EVALUATION MIX C	
Pesticide	Calibration Factor Eval Mix A	Calibration Factor Eval Mix B	Calibration Factor Eval Mix C	% RSD (≤ 10%)
Aldrin	942.2	1018.3	1082.5	6.9
Endrin	647.3	698.6	732.4	6.2
4,4'-DDT(1)	497.5	494.8	517.2	2.4
Dibutyl Chlorendate	397.2	381.3	383.8	2.2

Evaluation Check for 4,4'-DDT/Endrin Breakdown
(percent breakdown expressed as total degradation)

	Laboratory ID	Time of Analysis	Endrin	4,4'-DDT	Combined(2)
Eval Mix B 72 Hour	Eval Mix B	11:59	< 1%	< 1%	
Eval Mix B	Eval Mix B	20:50	< 1%	< 1%	
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					
Eval Mix B					

(1) See Exhibit E, Section 7.5.4
(2) See Exhibit E, Section 7.3.1.2.2.1

Pesticide Evaluation Standards Summary
(Page 2)

Evaluation of Retention Time Shift for Dibutyl Chlorendate
Report all standards, blanks, and samples

SMO Sample No.	Lab ID	Time of Analysis	Percent Diff.	SMO Sample No.	Lab ID	Time of Analysis	Percent Diff.
EVALA	Evaluation mix a	10:57	-------				
EVALB	Evaluation mix b	11:59	0.07				
EVALC	Evaluation mix c	12:30	0.07				
INDA	Pesticide mix a	13:01	<0.01				
INDB	Pesticide mix b	14:12	0.04				
TOXAPH	Toxaphene 400 ppb	14:43	<0.01				
CHLOR	Chlordane 100 ppb	15:14	<0.01				
AR1660	Aroclor 1016/1260	15:44	-0.03				
AR1221	Aroclor 1221 200 ppb	16:15	-0.03				
AR1232	Aroclor 1232 100 ppb	16:45	-0.03				
AR1242	Aroclor 1242 100 ppb	17:16	-0.03				
AR1248	Aroclor 1248 100 ppb	17:46	-0.03				
AR1254	Aroclor 1254 100 ppb	18:17	<0.01				
7262	88891 1:100	19:18	0.04				
7262MS	M88891 1:100	19:48	<0.01				
EVALB	Evaluation mix b	20:50	-0.09				
INDA	Pesticide mix a	21:20	-0.09				
INDB	Pesticide mix b	21:51	-0.09				

000301

E = Percent difference calculated using Endrin Ketone

ETR

Case No. 14944
Contract No. [redacted]

PESTICIDE/PCB STANDARDS SUMMARY

Laboratory Aquatec, Inc.
GC Column FSC RTX-35 GC Instrument ID 764

Column # 16

000303

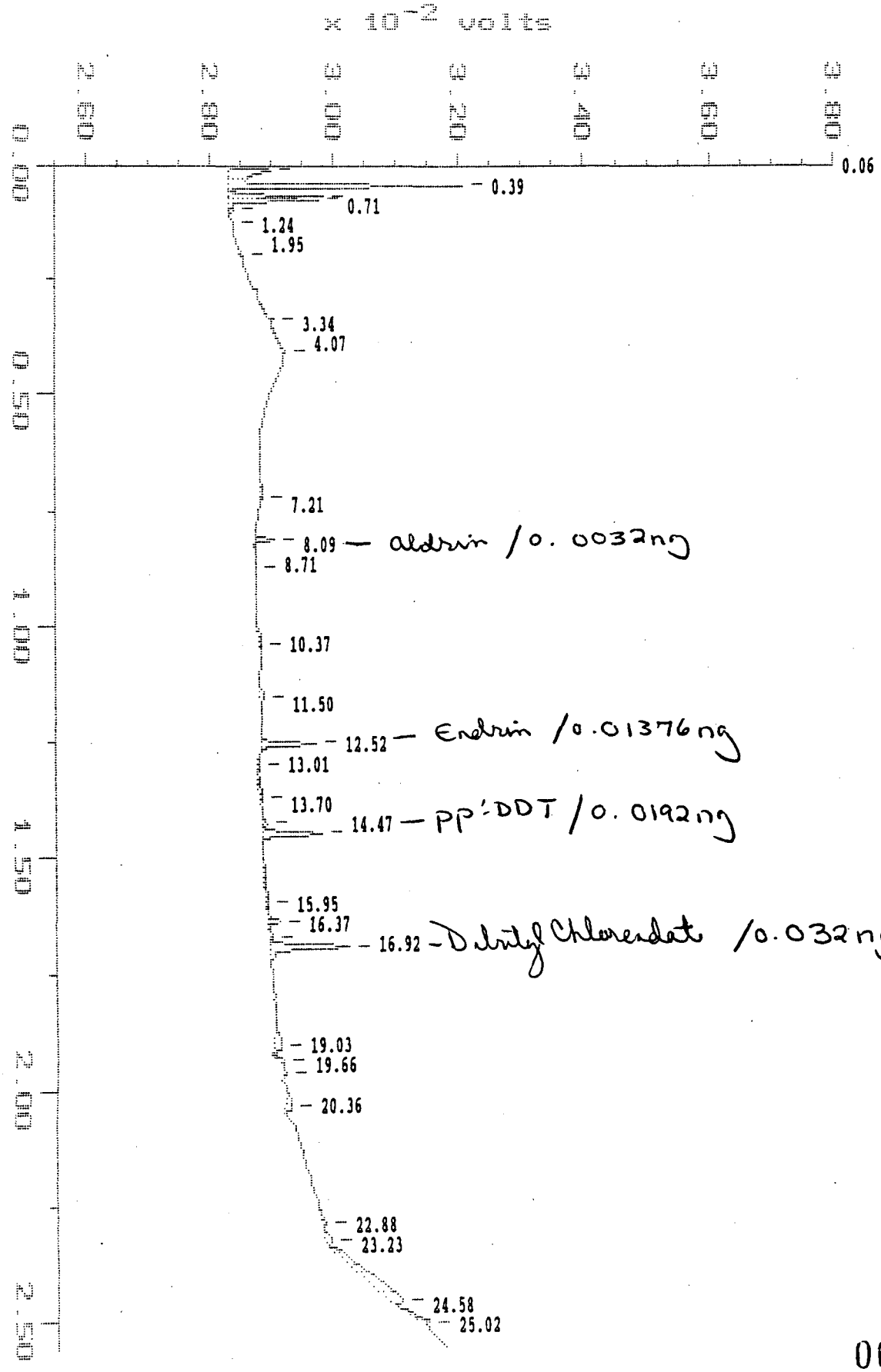
	DATE OF ANALYSIS 06-OCT-88 TIME OF ANALYSIS 14:12 LABORATORY ID Pesticide mix b 50%				DATE OF ANALYSIS 06-OCT-88 TIME OF ANALYSIS 21:51 LABORATORY ID Pesticide mix b 50%				
COMPOUND	RT	RETENTION TIME WINDOW	CALIBRATION FACTOR	CONF. OR QUANT.	RT	CALIBRATION FACTOR	CONF. OR QUANT.	PERCENT DIFF.**	
alpha-BHC	5.579	+/-0.02	969.4	CONF.	5.596	906.1	CONF.	6.5	
beta-BHC	6.681	+/-0.02	427.6	CONF.	6.703	407.6	CONF.	4.7	++
delta-BHC	7.521	+/-0.02	602.3	CONF.	7.543	536.5	CONF.	10.9	++
gamma-BHC									
Heptachlor									
Aldrin	8.088	+/-0.02	968.6	CONF.	8.110	968.0	CONF.	< 0.1	++
Heptachlor Epoxide									
Endosulfan I									
Dieldrin									
4,4'-DDE	11.793	+/-0.03	607.2	CONF.	11.820	582.0	CONF.	4.2	
Endrin	12.521	+/-0.03	718.7	CONF.	12.543	703.6	CONF.	2.1	
Endosulfan II									
4,4'-DDD	13.528	+/-0.03	352.5	CONF.	13.550	322.1	CONF.	8.6	
Endrin Aldehyde									
Endosulfan Sulfate	14.757	+/-0.03	599.2	CONF.	14.780	600.1	CONF.	-0.2	
4,4'-DDT									
Methoxyclor									
Endrin Ketone	16.699	+/-0.03	711.0	CONF.	16.721	705.8	CONF.	0.7	
Tech. Chlordane									
alpha-Chlordane*									
gamma-Chlordane*									
Toxaphene									
Aroclor - 1016									
Aroclor - 1221									
Aroclor - 1232									
Aroclor - 1242									
Aroclor - 1248									
Aroclor - 1254									
Aroclor - 1260									

* SEE EXHIBIT B, PART 7 13-OCT-88 08:44:26

** CONF. = CONFIRMATION (<20% DIFFERENCE)
** QUANT. = QUANTITATION (<15% DIFFERENCE)

++ Retention time shift considered in chromatogram evaluation.

Sample: EVAL A Channel: E.C.D. 764 Filename: AI100606
Acquired: 06-OCT-88 10:57 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



000304

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:32:50

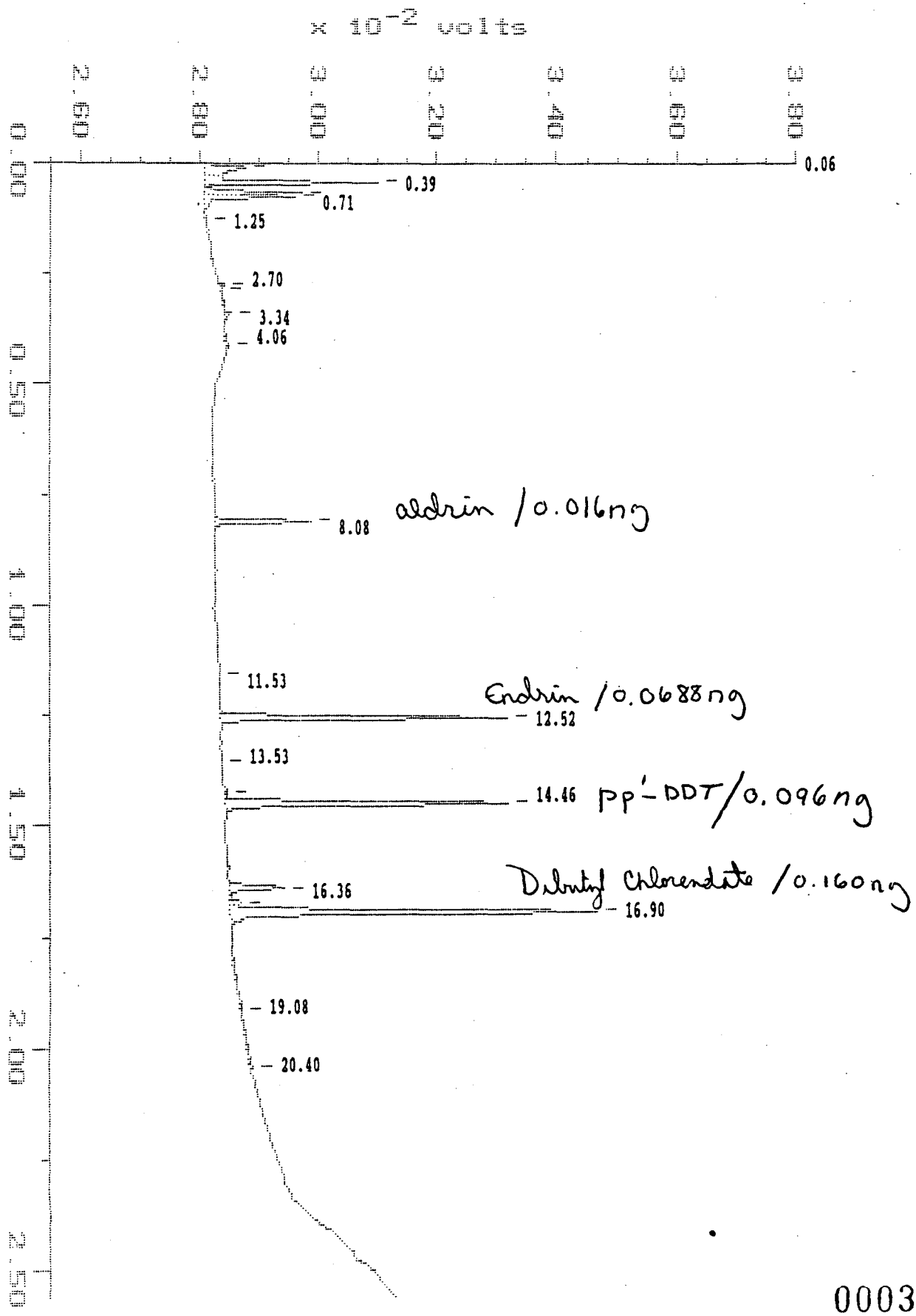
SAMPLE: EVAL A
#6 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 10:57
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100606
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.061	DP	708.3	6619.5
0.395	PP	3755.5	17698.9
0.629	PP	1551.6	6156.3
0.712	PP	1449.8	5908.1
0.929	SS	51.1	218.8
1.240	PB	22.3	87.5
1.952	BB	25.6	96.1
3.338	BB	68.5	168.2
4.072	BB	22.6	243.6
7.215	BB	21.7	461.1
8.093	BB	301.5	1432.3
8.711	BB	27.2	1097.1
10.374	BB	44.7	1166.2
11.498	BB	60.3	659.7
12.521	BB	890.7	5090.4
13.005	BB	35.5	291.0
13.700	BB	30.3	1016.4
14.251	BP	59.5	464.2
14.468	PB	955.2	6062.3
15.953	BB	21.1	739.1
16.370	BB	184.7	1238.9
16.699	BP	39.1	253.1
16.916	PB	1271.0	9186.1
19.035	BP	127.0	2375.2
19.385	PB	22.2	264.8
19.658	BB	35.5	228.7
20.359	BB	123.7	2309.2
22.884	BB	34.3	515.4
23.235	BP	97.0	972.5
24.581	PP	195.4	11476.5
25.020	PB	84.4	1382.3
TOTAL		12317.5	85879.4

Sample: EVAL B Channel: E.C.D. 764 Filename: AI100607
Acquired: 06-OCT-88 11:59 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



aldrin / 0.016ng

Endrin / 0.0688ng

pp'-DDT / 0.096ng

Dibutyl Chlorendate / 0.160ng

000306

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:33:38

SAMPLE: EVAL B
#7 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 11:59
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100607
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

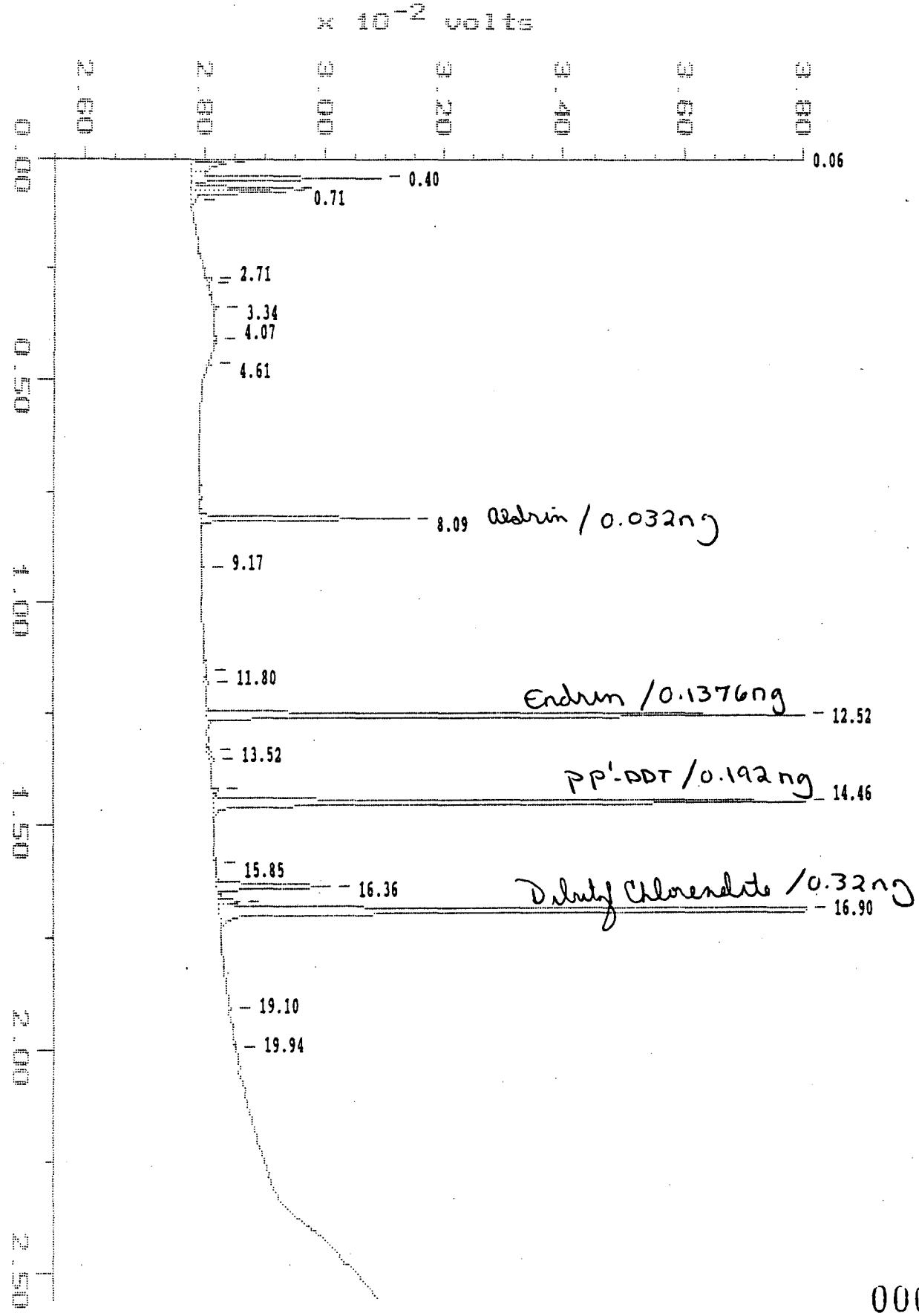
DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.061	DP	712.9	6885.3
0.395	PP	2944.9	14663.2
0.629	PP	1650.1	6891.9
0.706	PB	1562.4	6969.5
1.246	BB	26.0	125.9
2.703	BP	95.4	111.6
2.804	PB	45.7	202.6
3.338	BB	119.0	886.0
4.061	BB	29.8	268.9
8.082	BB	1629.2	7735.4
11.531	BB	36.2	481.8
12.516	BB	4806.5	26850.3
13.534	BB	25.5	130.1
14.207	BP	57.6	290.4
14.463	PB	4749.9	29756.7
16.365	BP	915.6	6202.5
16.693	PP	168.8	1043.8
16.904	PB	6100.5	42561.0
19.079	BB	40.3	850.4
20.403	BB	39.3	2124.0
TOTAL		25755.6	155031.4

Sample: EVAL C
Acquired: 06-OCT-88 12:30
Dilution: 1 : 1.000
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.

Channel: E.C.D. 764
Method: C:\MAX\764\AI1006MA
Inj Vol: 3.20

Filename: AI100608
Operator: KAT



000308

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:34:27

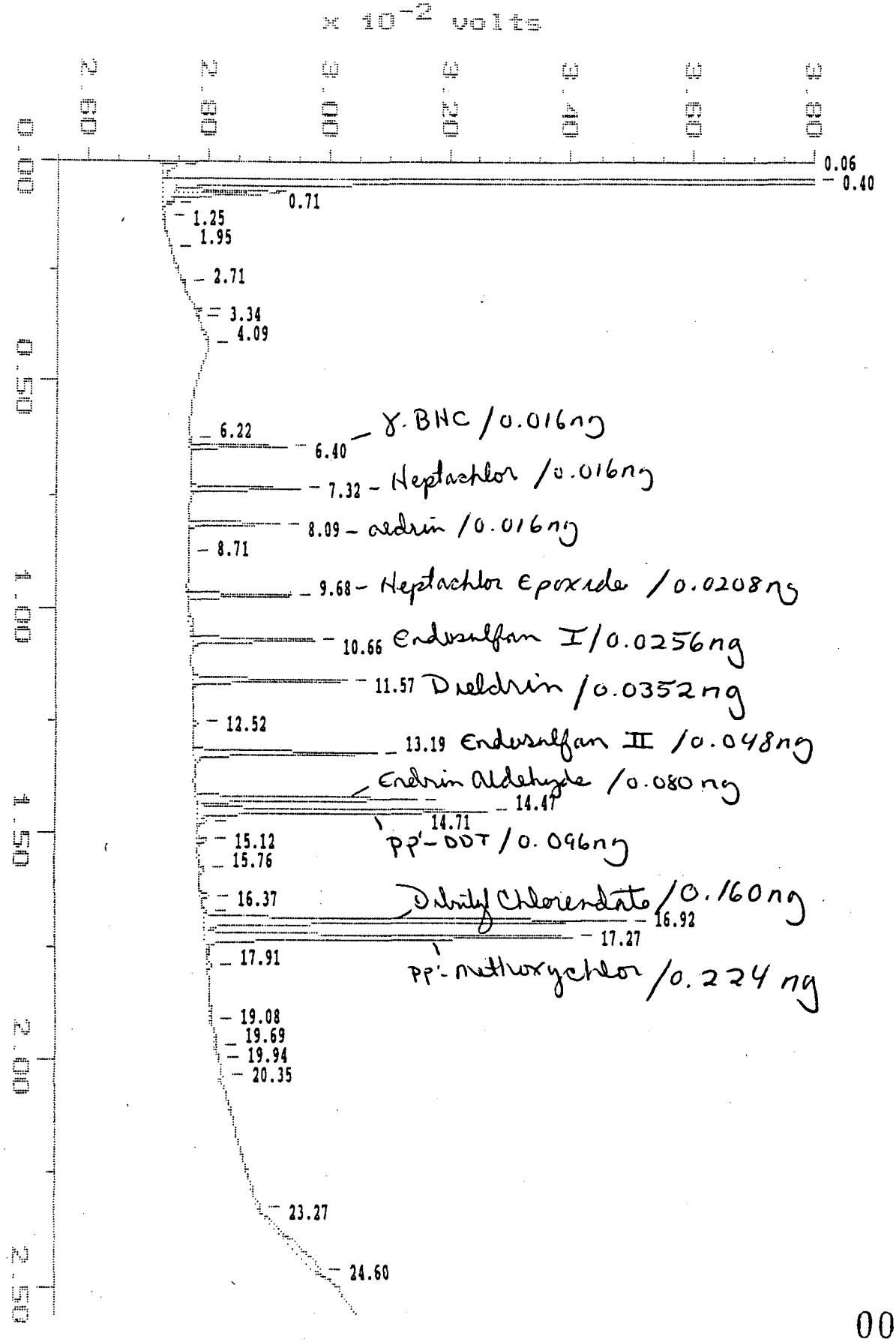
SAMPLE: EVAL C
#8 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 12:30
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100608
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.061	DP	583.5	5604.5
0.401	PP	3137.9	15720.4
0.629	PP	1683.1	6974.9
0.712	PB	1598.2	6874.0
0.929	SS	45.3	144.8
2.715	BP	95.5	379.1
2.798	PB	52.9	253.6
3.338	BB	95.5	628.3
4.072	BB	30.6	286.9
4.606	BB	39.3	134.3
8.088	BB	3464.1	16252.3
9.173	BB	24.3	132.1
11.548	BB	29.3	155.6
11.798	BB	39.3	228.8
12.516	BB	10078.0	56646.5
13.328	BP	37.8	222.5
13.522	PB	56.5	321.1
14.196	BP	122.2	646.0
14.463	PB	9929.4	62701.8
15.853	BB	23.0	316.5
16.365	BB	1861.7	12504.0
16.699	BP	331.9	1901.3
16.904	PB	12283.1	84358.4
19.096	BB	29.9	280.7
19.942	BB	26.0	169.9
TOTAL		45698.5	273838.5

Sample: IND A 50% Channel: E.C.D. 764 Filename: AI100609
Acquired: 06-OCT-88 13:01 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



000310

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:06:06

SAMPLE: IND A 50%
#9 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 13:01
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100609
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

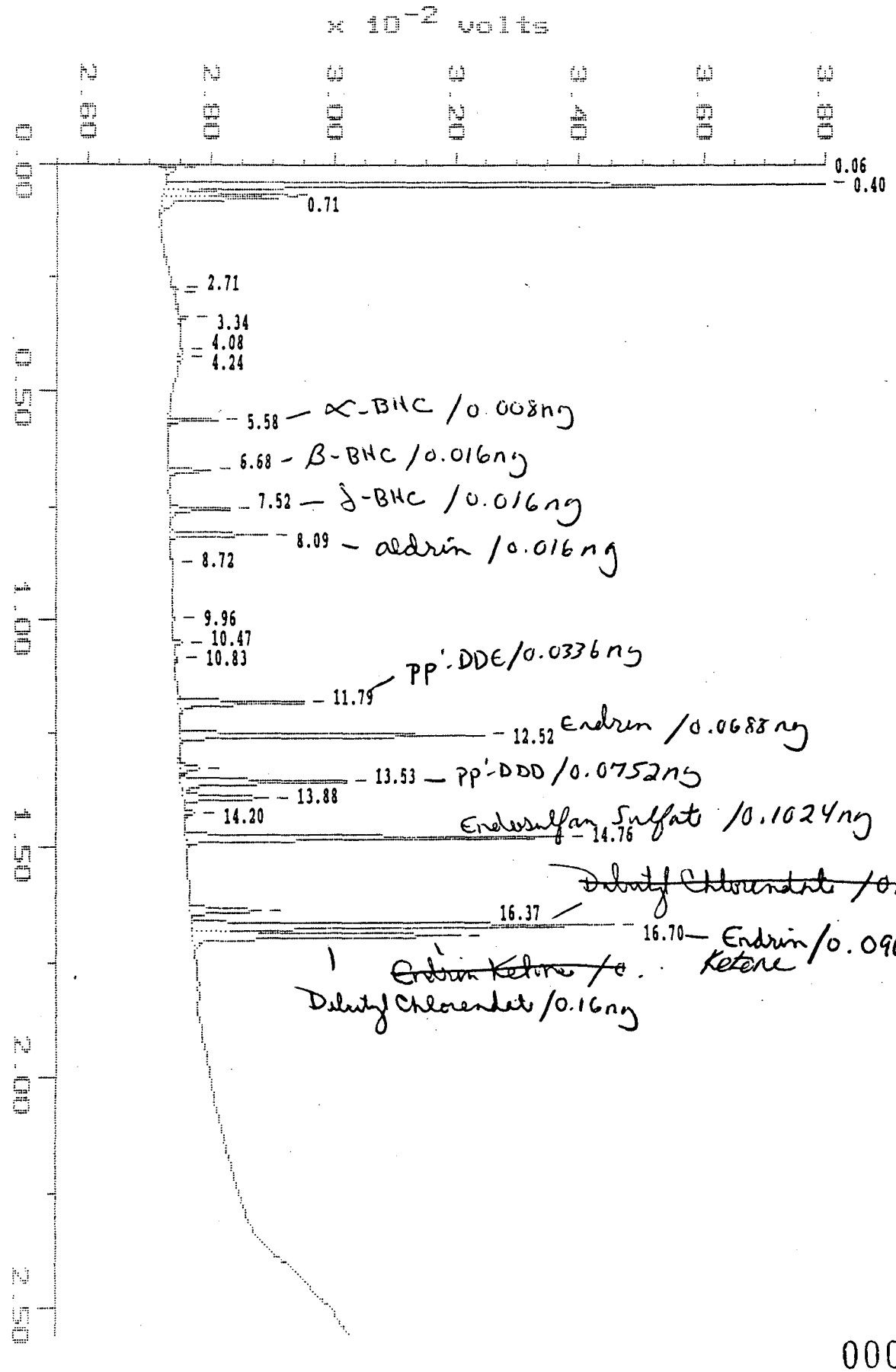
Retention Time (minutes)	Type	Peak Height	Peak Area
0.061	DP	243.5	1691.9
0.401	PB	17813.7	94960.4
0.629	SV	1525.5	5986.8
0.712	VV	1429.3	5563.6
0.923	VS	78.9	279.3
1.246	BP	40.5	219.7
1.952	PB	19.9	87.8
2.709	BP	57.6	-8.4
3.343	PP	126.1	469.8
3.538	PB	26.9	107.4
4.094	BB	25.5	475.2
6.219	BP	25.0	160.2
6.397	PB	1588.5	6009.4
7.320	BB	1819.1	8310.6
8.093	BB	1505.9	6999.0
8.705	BB	26.3	128.9
9.679	BB	1707.9	8902.6
10.663	BB	2030.4	12397.1
11.570	BB	2535.0	13902.3
12.521	BB	58.7	497.4
13.189	BB	3021.7	17678.4
14.201	BP	3618.0	22129.3
14.468	PB	4796.9	30330.2
14.707	SS	80.5	393.6
15.119	BB	158.8	1133.5
15.764	BB	92.3	559.5
16.370	BP	121.6	882.6
16.710	PP	51.9	303.4
16.916	PP	6947.9	47177.2
17.272	PB	6048.8	41051.0
17.906	BB	70.0	490.2
19.085	BB	58.4	1236.2
19.686	BP	29.9	339.4
19.936	PB	24.9	191.2

AI00609 Kit

20.353	BB	46.8	566.7
23.268	BP	49.4	-302.7
24.603	PB	99.8	6478.0
		---	---
TOTAL		58001.8	338401.1

Sample: IND 3 50% Channel: S.C.D. 764 Filename: AI100610
Acquired: 06-OCT-88 14:12 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.

Kat



000313

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:06:54

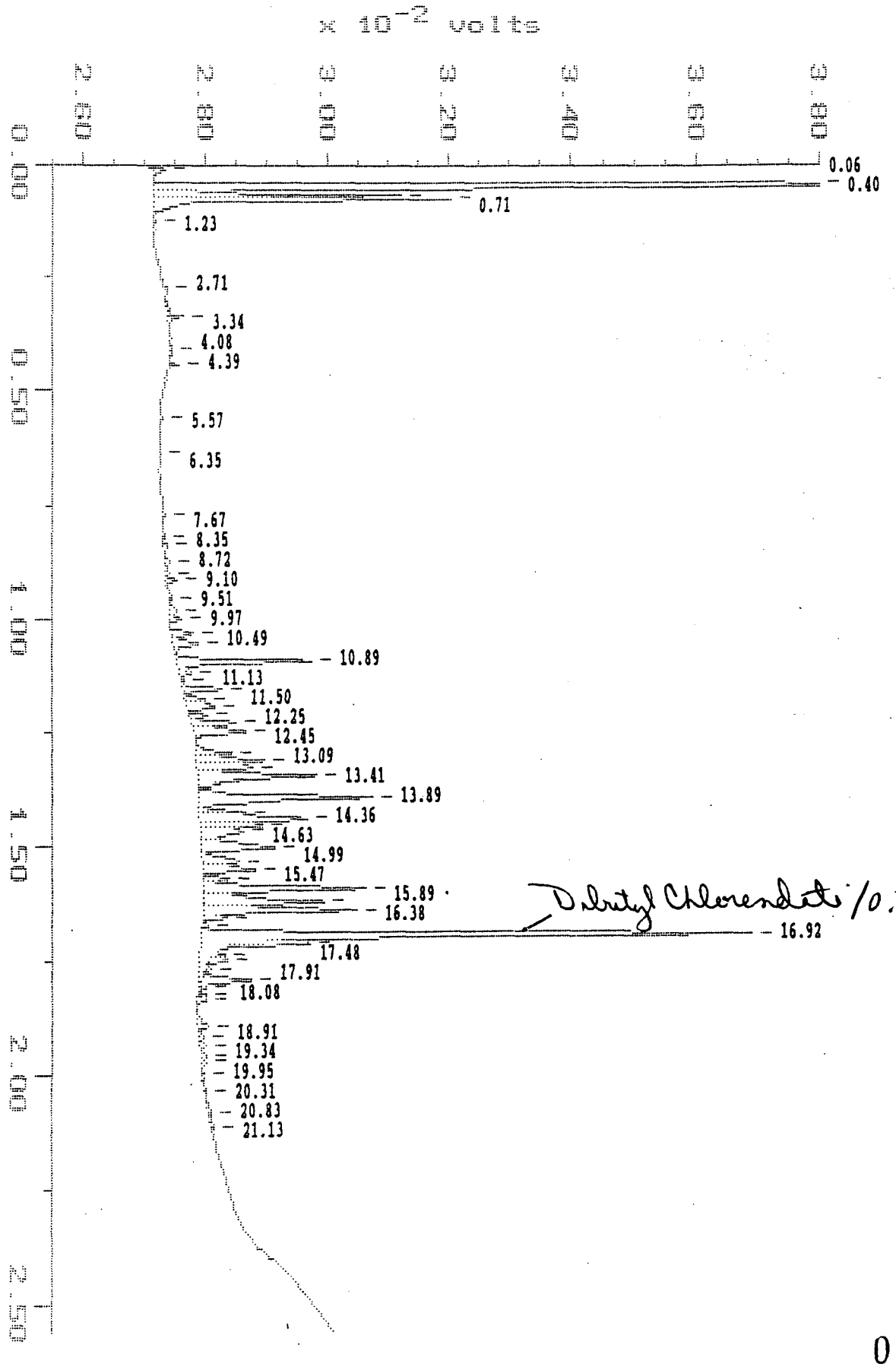
SAMPLE: IND B 50%
#10 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 14:12
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100610
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.061	DB	189.2	830.3
0.401	BP	13034.1	63138.4
0.629	PP	2013.1	8899.4
0.712	PB	1878.0	9058.8
2.709	BP	76.2	-295.4
2.804	PB	37.2	156.6
3.338	BB	178.9	1494.7
4.077	BP	34.3	359.0
4.244	PB	43.5	357.8
5.579	BB	775.5	2843.6
6.681	BB	684.1	3229.3
7.521	BB	963.7	4808.8
8.088	BB	1549.8	7253.5
8.716	BB	23.2	125.0
9.957	BB	47.8	250.2
10.474	BB	135.7	730.5
10.830	BB	40.1	233.4
11.793	BB	2040.3	13115.9
12.521	BB	4944.7	27426.1
13.233	BP	302.9	2506.5
13.528	PP	2651.0	17406.1
13.878	PB	1358.0	8770.8
14.201	BB	160.1	971.5
14.757	BB	6135.6	37783.5
16.370	BP	1153.0	7803.4
16.699	PP	6825.8	42112.1
16.910	PB	4323.4	29987.5
TOTAL		51599.2	291948.2

Sample: TOXAPH 1.280ng Channel: E.C.D. 764 Filename: AI100611
Acquired: 06-OCT-88 14:43 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



Dibutyl Chlorendate / 0.32 ng

000315

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:07:41

SAMPLE: TOXAPH 1.280ng
#11 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 14:43
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100611
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

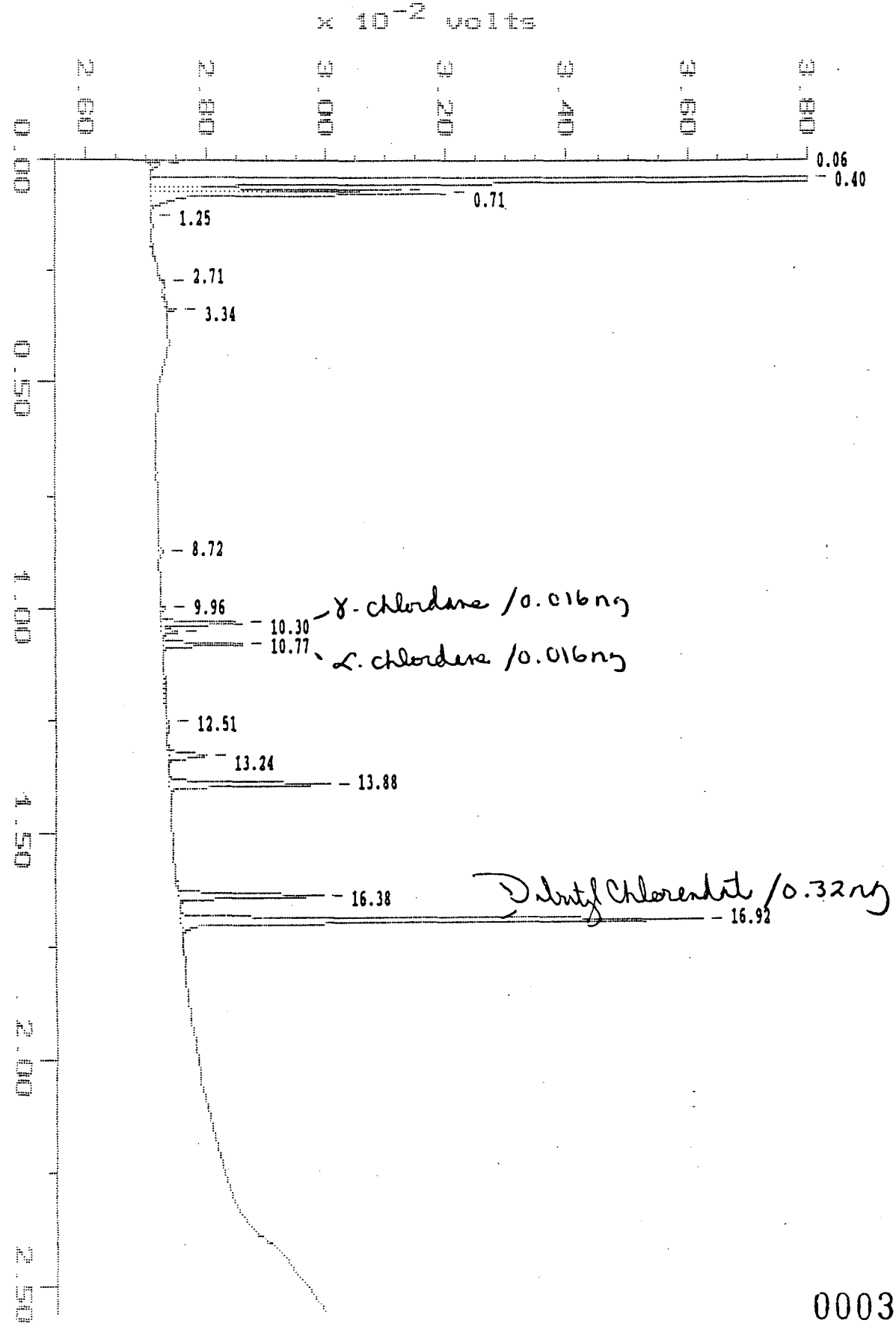
DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.061	DB	167.6	747.7
0.401	BP	19482.5	109014.7
0.634	PP	4073.4	17131.7
0.712	PP	4859.6	25261.5
1.235	PB	25.0	115.5
2.709	BB	67.7	-752.1
3.338	BB	248.2	1591.8
4.077	BB	39.7	458.8
4.394	BB	159.3	466.7
5.574	BB	26.0	82.7
6.352	BB	22.2	112.1
7.665	BB	22.5	97.5
8.144	BB	28.1	145.6
8.349	BB	66.8	432.0
8.722	BP	93.6	659.8
8.961	PP	52.5	401.3
9.100	PB	161.4	995.6
9.506	BP	53.5	324.8
9.790	PP	136.3	1329.2
9.968	PB	198.2	1260.6
10.268	BP	354.3	2730.9
10.491	PP	391.5	3203.1
10.891	PP	2203.2	14907.7
11.131	SS	97.6	584.7
11.309	SS	37.9	154.0
11.498	PP	643.7	3891.4
11.731	PP	325.4	1903.7
11.904	PP	424.4	3918.3
12.087	PP	299.7	1418.8
12.249	PP	736.7	4822.7
12.454	PB	851.2	7021.3
12.933	BP	557.2	4037.9
13.089	PP	1096.5	8104.7
13.228	PP	898.2	6613.3

AI100611

13.411	PP	1922.8	17250.9
13.595	SS	99.5	438.6
13.890	PP	2839.9	24491.5
14.234	PP	740.8	3670.7
14.357	PP	1742.1	15338.7
14.496	PP	1016.9	6123.5
14.629	PP	680.7	6493.2
14.985	PP	1190.2	12226.5
15.291	PP	586.3	5799.8
15.469	PP	865.0	6654.6
15.681	PP	437.1	2551.3
15.892	PP	2639.1	20372.8
16.181	PP	1957.2	17795.1
16.376	PP	2503.2	19084.5
16.532	SS	202.2	864.1
16.715	PP	107.3	506.2
16.916	PP	8942.0	79450.6
17.105	SS	790.1	4050.7
17.372	SV	184.7	972.6
17.483	VS	286.1	1582.8
17.667	SV	96.0	441.1
17.911	VV	792.6	6289.4
18.084	VS	104.4	440.0
18.256	SV	134.0	597.7
18.340	VS	143.9	883.8
18.907	PP	151.9	1467.6
19.163	PP	76.2	446.3
19.341	PP	91.7	462.4
19.597	PP	77.7	601.0
19.708	PP	76.1	503.0
19.947	PP	21.5	121.0
20.314	PB	40.1	258.1
20.832	BB	31.0	407.5
21.132	BB	31.9	217.7
TOTAL		70503.5	483549.3

Sample: CHLOR 0.016 ng Channel: E.C.D. 764 Filename: AI100612
Acquired: 06-OCT-88 15:14 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



000318

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:08:57

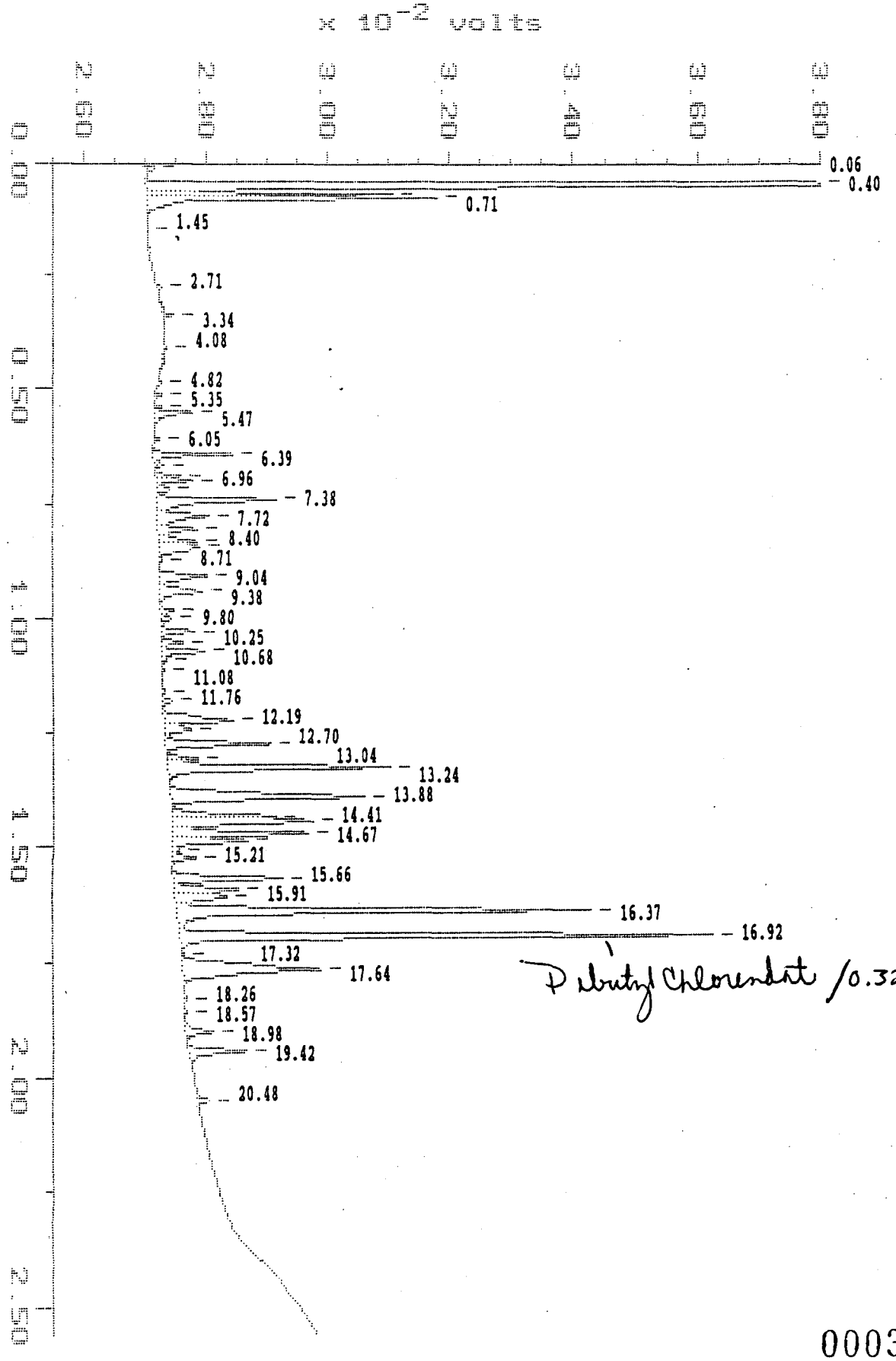
SAMPLE: CHLOR 0.016 ng
#12 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 15:14
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100612
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.061	DB	155.1	718.5
0.401	BP	20899.7	119061.5
0.634	PP	4178.3	18046.7
0.712	PP	4923.2	24646.3
1.246	PB	23.6	158.3
2.715	BB	64.0	-326.8
3.338	BB	157.1	736.2
8.716	BB	43.4	255.7
9.957	BB	88.9	487.0
10.296	BP	1340.6	7328.9
10.480	PP	257.0	1449.8
10.769	PB	1318.0	7404.8
12.510	BB	25.6	684.4
13.244	BB	606.5	4890.2
13.884	BB	2651.5	16591.0
16.376	BB	2421.1	16148.3
16.916	BB	8643.7	59611.0
TOTAL		47797.4	278545.4

Sample: AR 1660 0.640ng Channel: E.C.D. 764 Filename: AI100613
Acquired: 06-OCT-88 15:44 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



Dibutyl Chlorendate /0.32 ng

000320

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:10:26

SAMPLE: AR 1660 0.640ng
#13 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 15:44
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100613
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

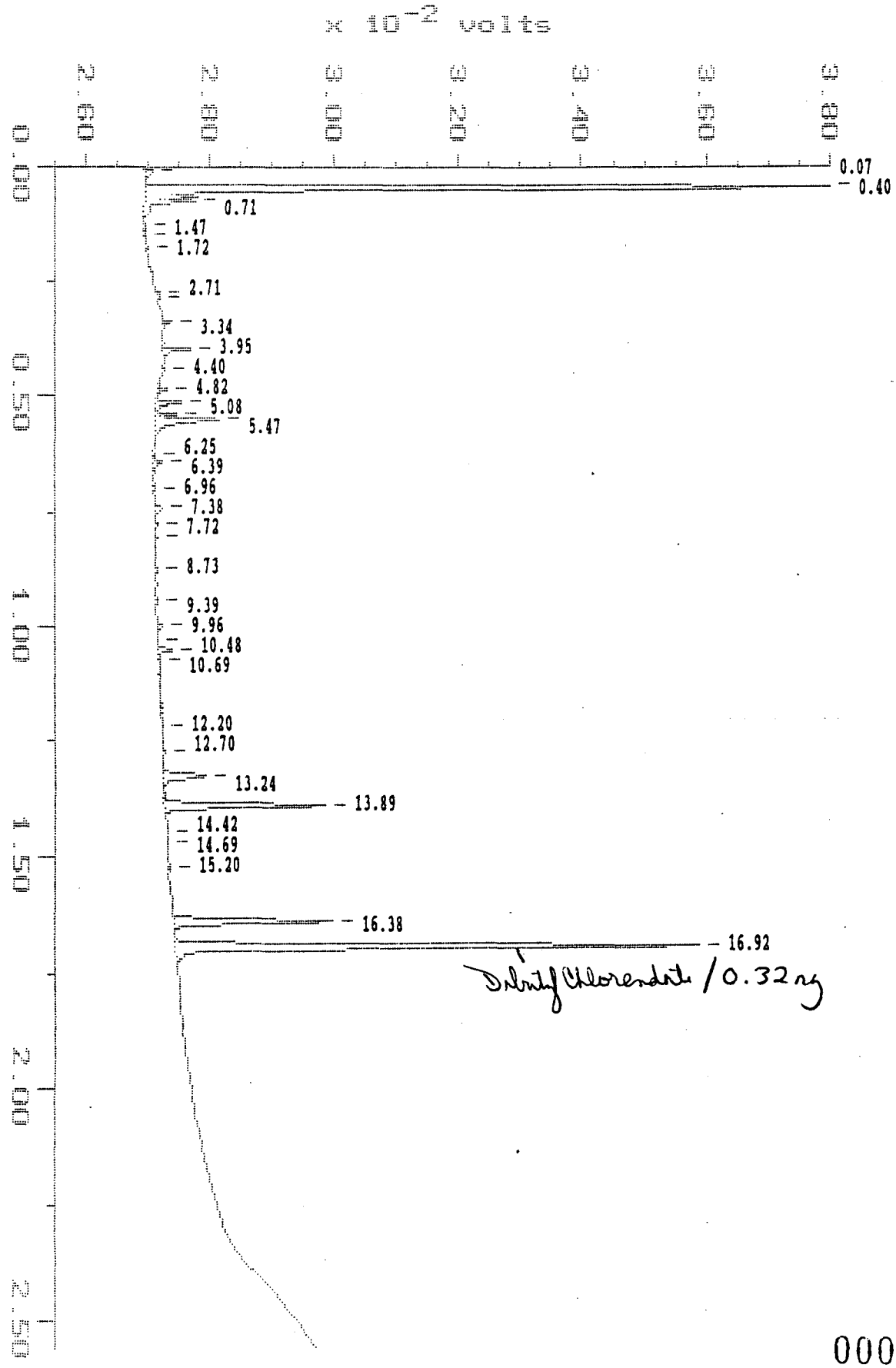
DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.061	DB	149.6	690.7
0.401	BP	20392.3	117027.5
0.634	PP	4024.4	17541.5
0.712	PB	4761.9	24282.1
1.446	BB	25.3	120.5
2.715	BB	68.3	-659.3
3.338	BB	152.1	806.5
4.077	BB	46.3	1001.9
4.823	BP	81.5	383.9
5.090	PP	101.9	506.5
5.351	PP	130.8	534.4
5.474	PB	617.0	3837.6
6.052	BB	86.8	346.5
6.386	BP	1279.4	6987.4
6.631	SS	135.2	581.3
6.859	PP	413.2	1772.0
6.959	PP	567.9	2882.7
7.131	PP	209.9	1646.8
7.376	PP	1951.8	14524.9
7.721	PP	840.1	7409.3
8.021	PP	617.4	4358.3
8.288	PP	609.3	4259.3
8.399	PB	658.4	6908.8
8.711	SS	30.6	126.9
9.039	BP	767.4	6499.9
9.384	PB	664.1	6158.2
9.801	BP	215.9	1247.9
9.974	PP	166.4	972.0
10.252	PP	544.5	3463.2
10.485	PP	347.9	1936.1
10.680	PB	705.0	5130.9
10.875	SS	34.6	170.3
11.081	SS	43.4	205.3
11.553	BP	46.3	280.5

AI100613

11.765	PP	159.7	984.7
12.193	PP	1150.7	10455.0
12.393	PP	447.0	3882.0
12.705	PP	1729.0	12230.5
13.039	PP	499.0	3178.3
13.239	PB	3649.5	27451.3
13.878	BP	3156.2	30387.3
14.318	PP	1691.1	9821.8
14.412	PP	2313.6	18461.3
14.674	PP	2229.9	15293.5
14.841	PP	1225.2	9088.8
15.047	SS	35.2	142.2
15.208	PP	378.1	2679.9
15.664	PP	1777.8	12732.3
15.909	PP	1011.3	7172.5
16.065	PP	839.1	7959.8
16.370	PP	6713.5	49711.4
16.921	PP	8631.2	59590.0
17.316	PP	60.6	326.8
17.644	PB	2242.9	28813.2
18.262	BB	58.2	393.5
18.573	BB	31.2	187.2
18.985	BB	405.3	2896.4
19.419	BB	918.4	6603.4
20.481	BB	192.3	1284.4
		---	---
TOTAL		83032.9	566988.2

Sample: AR 1221 0.800ng Channel: E.C.D. 764 Filename: AI100614
Acquired: 06-OCT-88 16:15 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



Dibutylchlorendate / 0.32 ng

000323

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:11:47

SAMPLE: AR 1221 0.800ng
#14 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 16:15
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100614
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

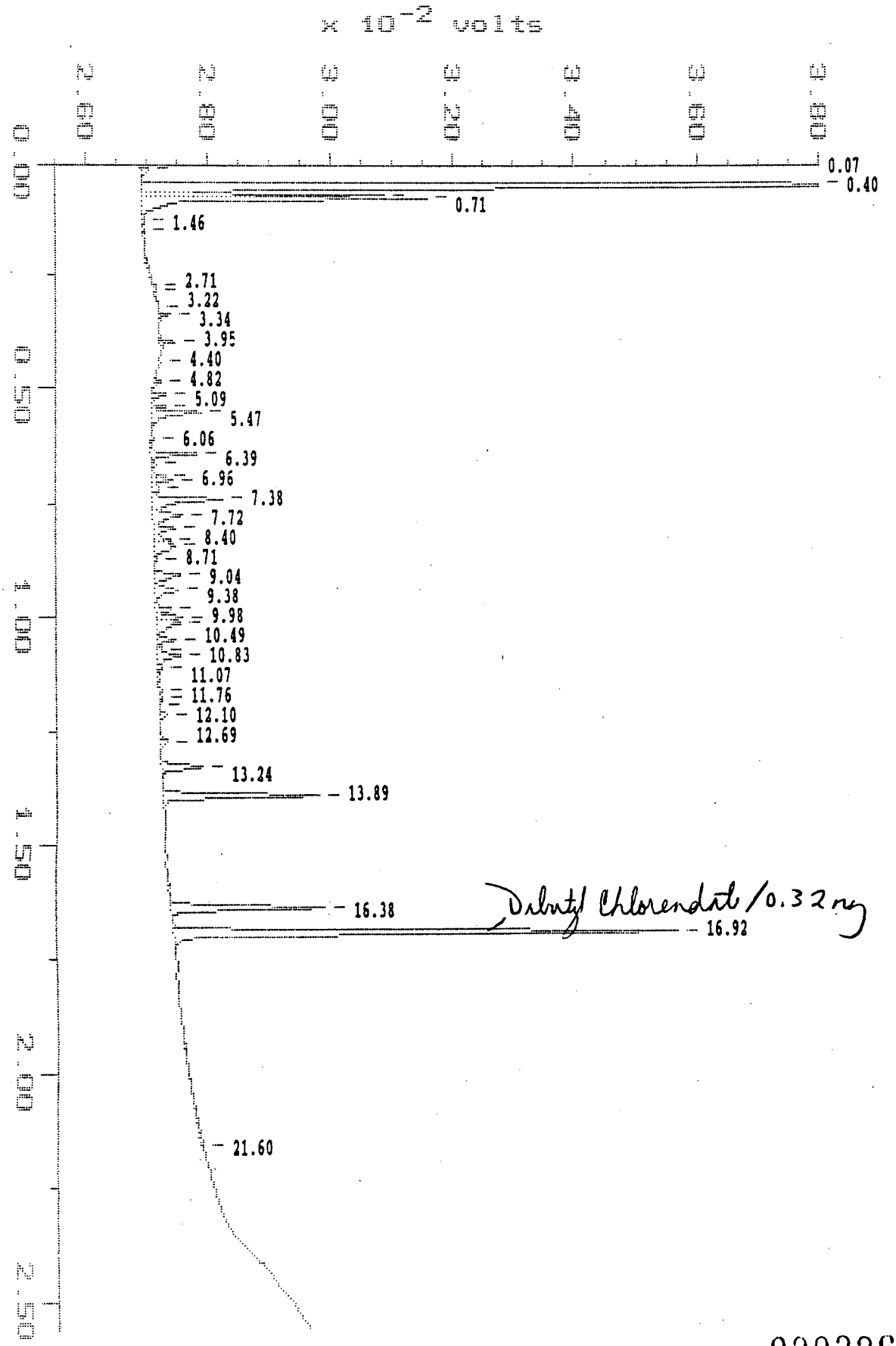
Retention Time (minutes)	Type	Peak Height	Peak Area
0.067	DB	130.7	622.1
0.401	BP	14700.7	80582.4
0.712	SS	534.8	3299.4
1.246	PP	21.2	136.9
1.469	PB	28.3	149.9
1.724	BB	20.6	92.7
2.715	BP	70.3	238.1
2.804	PB	34.9	143.7
3.343	BB	140.9	391.8
3.949	BB	458.6	1934.2
4.400	BB	55.6	289.8
4.823	BP	169.4	822.4
5.084	PP	441.3	2422.0
5.351	PP	347.4	1483.1
5.474	PB	1050.0	7555.7
6.247	BP	23.7	130.9
6.391	PB	129.5	733.5
6.964	BB	40.1	282.4
7.381	BB	114.7	727.0
7.721	BB	44.0	282.9
8.027	BB	23.4	100.0
8.728	BB	40.8	198.0
9.390	BB	22.3	126.0
9.962	BB	85.8	429.7
10.252	BB	21.2	85.0
10.480	BP	242.6	1316.6
10.691	PB	23.5	101.0
12.199	BB	23.8	-361.3
12.705	BB	45.7	316.0
13.244	BB	696.8	5579.7
13.890	BB	2588.2	16429.0
14.418	BP	34.5	333.2
14.685	PB	23.6	127.8
15.202	BB	25.5	162.6

AI100614

	16.376	BB	2537.4	16991.4
	16.921	BB	8401.8	58527.5
			---	---
TOTAL			33393.1	203505.6

Sample: AR 1232 0.800ng Channel: E.C.D. 764 Filename: AI100615
Acquired: 06-OCT-88 16:45 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.

Kat



MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:13:12

SAMPLE: AR 1232 0.800ng
#15 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 16:45
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100615
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

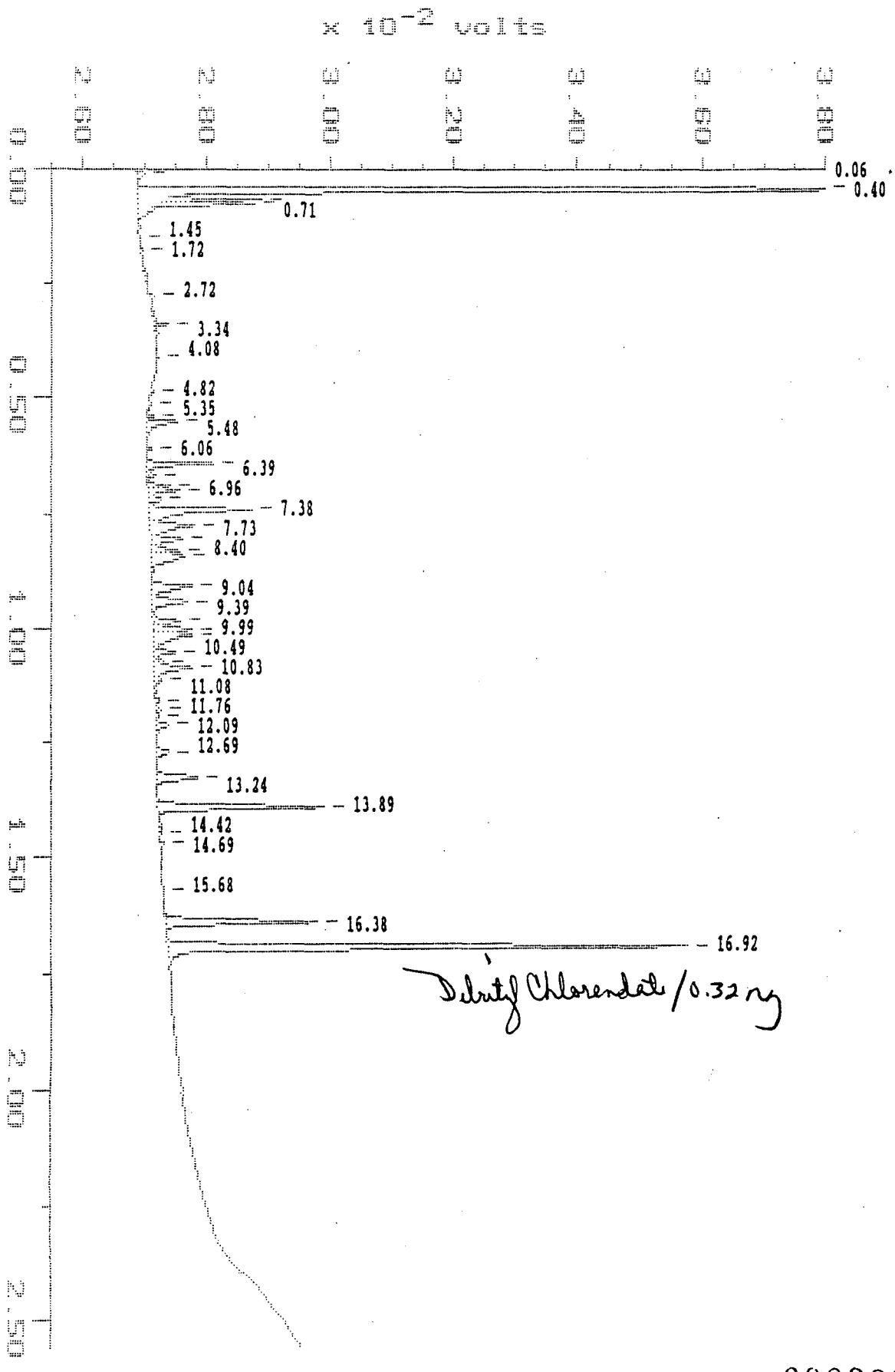
Retention Time (minutes)	Type	Peak Height	Peak Area
0.067	DB	123.9	576.3
0.401	BP	20195.0	115413.4
0.634	PP	3934.4	17034.4
0.712	PB	4628.8	23646.1
1.246	BP	27.5	174.3
1.457	PB	34.8	189.9
2.715	BP	80.5	725.7
2.809	PB	39.6	196.7
3.215	BP	26.5	262.7
3.343	PB	208.7	771.8
3.949	BB	219.2	674.7
4.400	BB	33.6	117.2
4.823	BP	114.0	515.3
5.090	PP	240.0	1251.8
5.351	PP	209.7	886.6
5.474	PB	795.1	5334.0
6.063	BB	45.9	178.8
6.386	BB	755.2	4194.1
6.625	SS	73.7	311.5
6.859	BP	243.5	1073.2
6.959	PP	333.8	1712.9
7.137	PP	128.5	1066.4
7.381	PP	1131.8	8664.6
7.721	PP	481.5	4385.2
8.021	PP	350.1	2474.1
8.294	PP	297.5	2131.5
8.405	PB	337.8	3583.8
8.711	SS	26.1	131.5
9.039	BP	419.0	3518.0
9.384	PB	350.4	3240.1
9.807	BP	260.9	1655.5
9.985	PP	412.3	2605.3
10.118	PP	378.7	3600.5
10.485	PP	285.7	1682.5

AI100615 KJ

10.697	PP	79.8	409.0
10.830	PB	366.3	3285.2
11.075	SS	28.4	134.8
11.559	BP	49.2	310.8
11.765	PP	47.2	264.4
11.909	PP	25.3	126.2
12.098	PB	106.0	739.2
12.688	BB	119.9	1096.3
13.244	BB	657.4	5224.8
13.890	BB	2544.2	16210.4
16.382	BB	2471.0	16654.9
16.921	BB	8197.2	55987.8
21.605	BB	28.4	1358.7
		---	---
TOTAL		51944.0	315783.1

Sample: AR 1242 0.640ng Channel: E.C.D. 764 Filename: AI100616
Acquired: 06-OCT-88 17:16 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.

Kat



Dibutyl Chlorendate / 0.32 ng

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:14:38

SAMPLE: AR 1242 0.640ng
#16 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 17:16
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100616
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

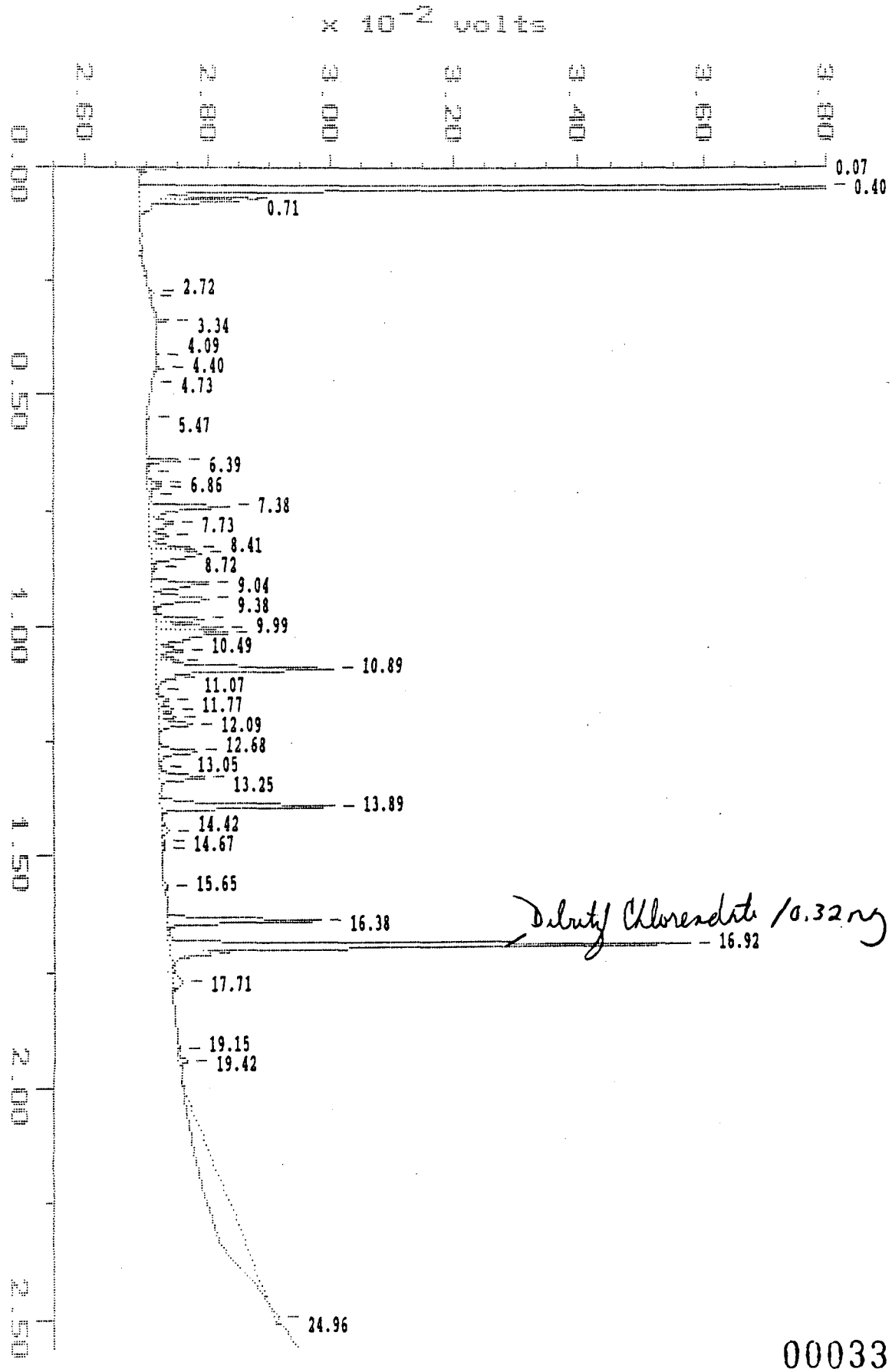
DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.061	DB	111.6	507.8
0.401	BB	16709.9	92254.4
0.634	SV	1575.0	6098.1
0.712	VS	1530.6	5631.4
1.452	BB	29.8	173.1
1.724	BB	34.1	166.4
2.720	BB	61.2	120.1
3.343	BB	245.5	1838.4
4.083	BB	24.4	226.9
4.823	BB	67.7	280.9
5.090	BB	70.9	346.0
5.351	BP	105.9	419.8
5.479	PB	503.5	3167.3
6.058	BB	75.3	315.5
6.386	BP	1080.4	5946.1
6.631	SS	114.1	501.0
6.864	PP	352.7	1481.6
6.959	PP	481.5	2524.8
7.137	PP	173.2	1385.4
7.381	PP	1626.4	12347.1
7.726	PP	703.7	6457.9
8.021	PP	525.0	3832.2
8.294	PP	460.5	3285.9
8.405	PB	529.6	5523.1
9.039	BP	645.9	5575.0
9.390	PP	553.7	5250.5
9.812	PP	427.4	2784.9
9.990	PP	612.6	3909.6
10.118	PP	609.9	6013.9
10.485	PP	347.1	2162.2
10.686	PP	137.6	737.6
10.830	PB	594.6	5372.2
11.081	SS	52.1	264.1
11.559	BP	70.9	447.3

AI100616 Kat

11.765	PP	86.8	508.9
11.920	PP	51.5	278.6
12.087	PB	185.7	1361.2
12.688	BB	209.8	1779.0
13.244	BB	671.3	5369.7
13.890	BB	2667.3	17238.4
14.418	BP	35.4	343.8
14.685	PB	42.0	234.3
15.675	BB	35.3	214.9
16.382	BB	2416.6	16330.7
16.921	BB	8340.2	57173.4
		---	---
TOTAL		45986.3	288181.5

Sample: AR 1248 0.640ng Channel: E.C.D. 764 Filename: AI100617
Acquired: 06-OCT-88 17:46 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



000332

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:16:09

SAMPLE: AR 1248 0.640ng
#17 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 17:46
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100617
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

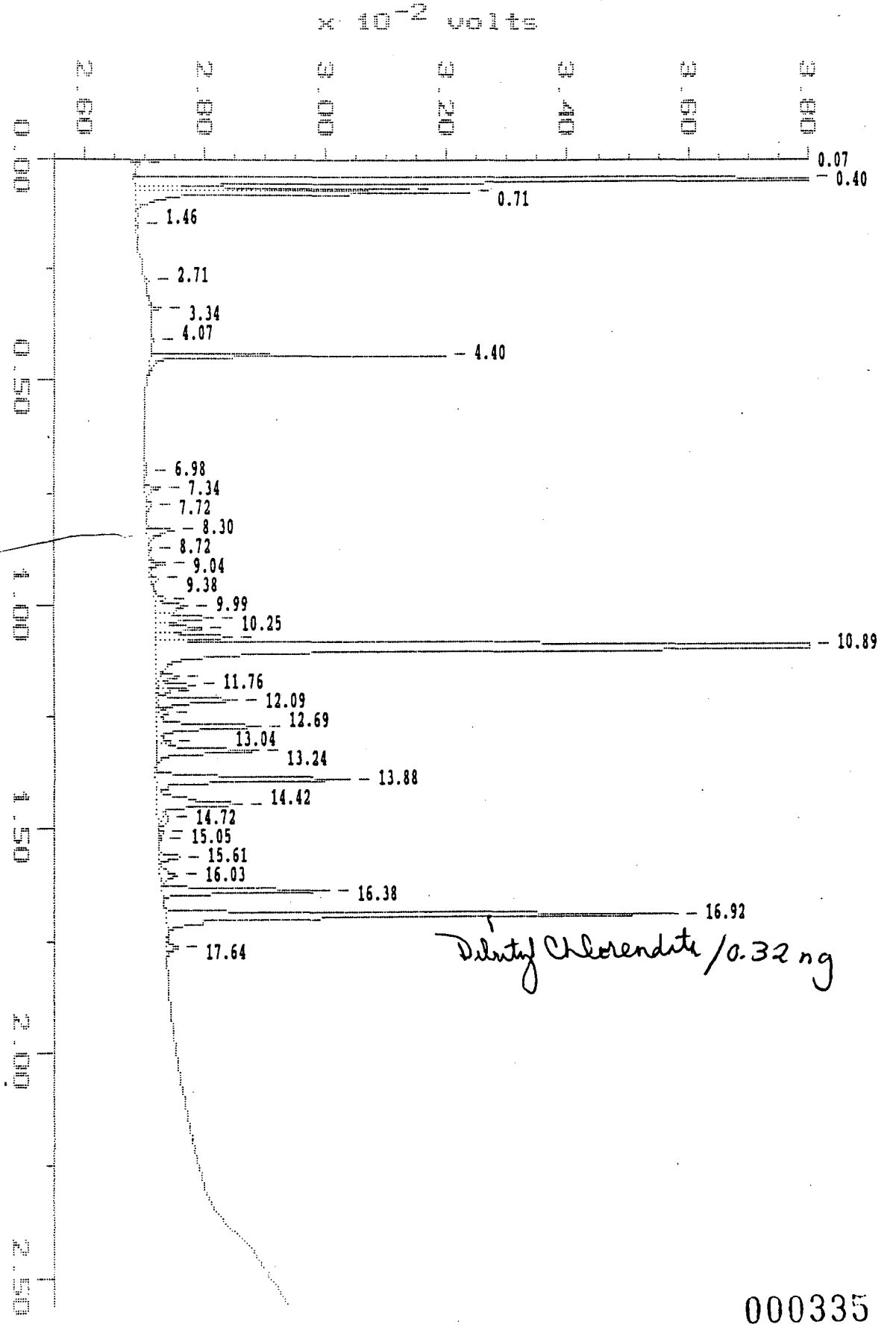
DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.067	DB	115.6	522.9
0.401	BB	16860.2	93189.9
0.634	SV	1390.6	5375.4
0.712	VS	1301.1	4744.8
2.720	BP	66.2	232.3
2.815	PB	33.1	152.1
3.343	BB	209.3	937.0
4.094	BB	23.5	111.1
4.400	BB	145.4	538.5
4.728	BB	22.3	82.4
5.474	BB	29.0	114.6
6.391	BB	536.7	2856.8
6.631	SS	26.3	117.0
6.864	BP	223.2	1039.2
6.964	PP	195.6	1035.5
7.126	PP	48.9	297.7
7.381	PP	1311.3	10093.9
7.726	PP	391.0	3954.1
8.027	PP	298.3	2152.0
8.294	PP	723.1	4653.1
8.411	PB	835.5	8888.9
8.716	SS	25.0	105.6
9.045	BP	920.5	7694.3
9.384	PP	882.7	8277.0
9.812	PP	797.5	5245.3
9.990	PP	1079.6	6816.7
10.118	PP	1172.4	12273.3
10.485	PP	440.0	2988.3
10.691	PP	346.2	1951.2
10.891	PP	2868.2	24873.7
11.069	SS	60.4	322.1
11.375	SS	23.5	115.5
11.564	PP	186.0	1329.3
11.770	PP	237.3	1430.4

AI100617

11.932	PP	258.0	1695.5
12.093	PB	514.4	3750.0
12.683	BP	629.4	5319.5
13.050	PP	41.1	198.2
13.250	PB	714.8	5673.6
13.890	BB	2815.4	20457.8
14.418	BB	120.4	1052.4
14.674	BP	56.5	382.1
14.841	PB	38.6	223.7
15.647	BB	64.3	561.7
16.382	BP	2497.1	16867.0
16.921	PB	8372.0	60431.9
17.088	SS	160.6	664.7
17.711	BB	158.0	1818.2
19.146	BB	28.4	149.6
19.424	BB	114.2	803.2
24.959	BB	47.2	-71191.0
		---	---
TOTAL		50455.8	405752.1

Sample: AR 1254 0.480ng Channel: E.C.D. 764 Filename: AI100618
Acquired: 06-OCT-88 18:17 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



Dibutyl Chlorendate / 0.32 ng

000335

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:17:31

SAMPLE: AR 1254 0.480ng
#18 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 18:17
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100618
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.067	DB	100.5	436.8
0.401	BP	19189.8	111176.6
0.634	PP	4521.5	19349.1
0.712	PB	5522.8	28258.5
1.463	BB	37.3	213.6
2.715	BB	54.6	117.5
3.343	BB	178.3	743.5
4.072	BB	22.8	143.8
4.400	BB	4894.3	15769.4
6.975	BB	26.5	446.6
7.343	BP	234.7	1672.8
7.721	PB	99.4	1060.0
8.299	BP	443.0	3771.4
8.722	PB	53.9	259.5
9.039	BP	257.0	1558.9
9.384	PB	128.4	887.0
9.823	BP	156.6	1242.6
9.990	PP	539.7	5651.1
10.252	PP	984.3	7574.9
10.491	PP	792.4	6201.0
10.686	PP	1261.6	8848.9
10.891	PB	60980.1	372592.0
11.559	SV	345.1	2380.8
11.765	VV	628.5	3993.6
11.909	VV	203.8	1129.5
12.093	VV	1320.2	10329.5
12.393	VV	155.1	1309.8
12.688	VV	1702.5	14900.4
13.044	VV	238.2	1608.0
13.239	VS	1702.9	13682.5
13.884	BP	3177.8	25983.6
14.418	PB	1421.8	16074.7
14.718	SS	105.0	1408.1
15.052	SV	65.4	432.5

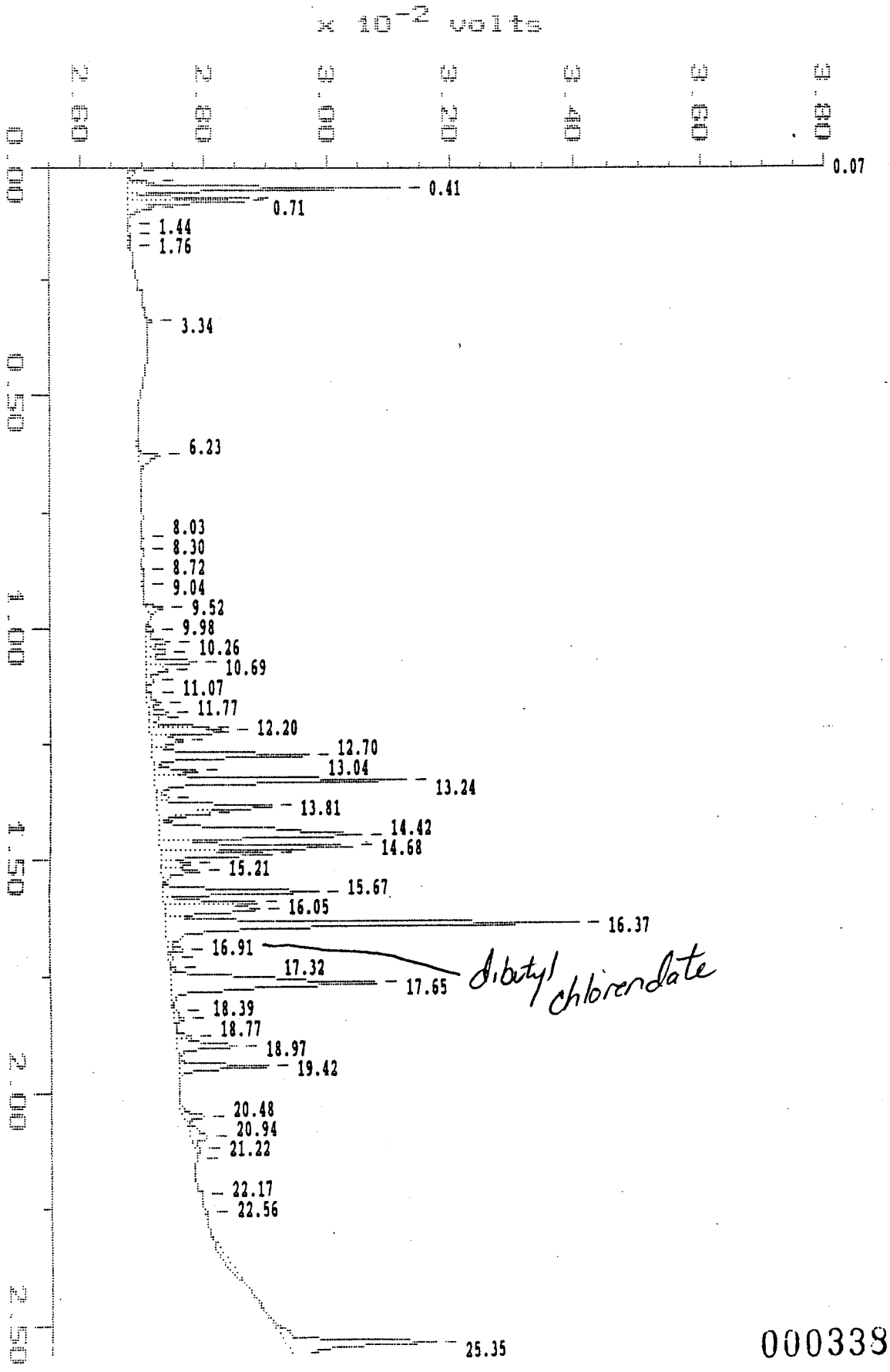
AI100618

	15.202	VS	36.7	203.5
	15.608	BP	355.8	2939.4
	16.026	PP	256.9	2558.8
	16.376	PB	2744.1	18843.0
	16.916	BB	8458.7	61481.4
	17.644	BB	193.4	1671.2
TOTAL			123591.6	768906.1

7262

Sample: 88891 1:100 Channel: E.C.D. 764 Filename: AI100620
Acquired: 06-OCT-88 19:18 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : ~~1,000~~ 100.00 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.

KAT



dibutyl chlorendate

000338

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:20:14

SAMPLE: 88891 1:100
#20 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 19:18
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100620
Index: Disk
Injection Volume: 3.2 Kit
Dilution: ~~1.000~~ 100.00

DETECTOR: E.C.D. 764

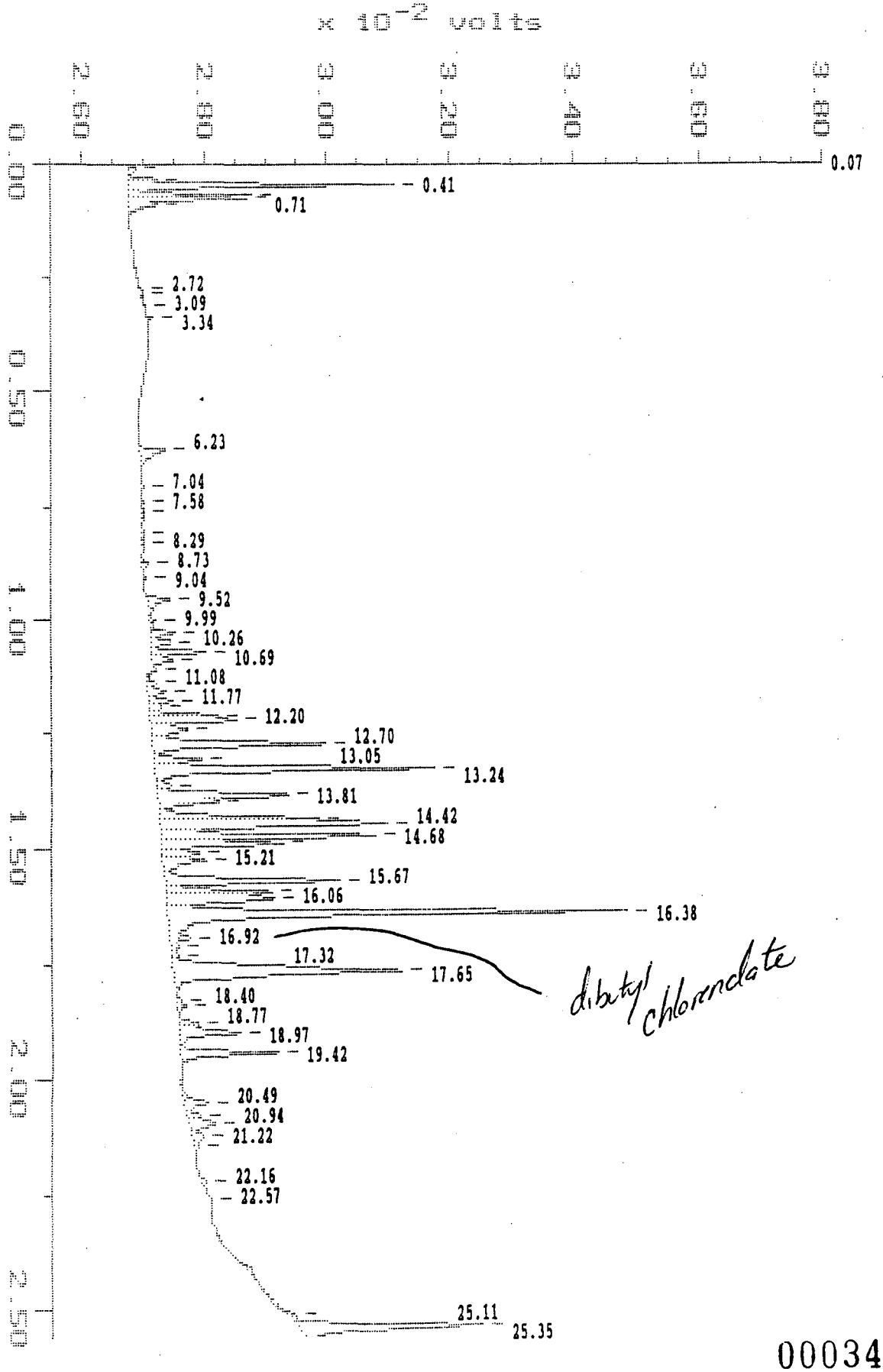
Retention Time (minutes)	Type	Peak Height	Peak Area
0.067	DP	128.6	814.7
0.295	PP	409.0	2242.1
0.406	PP	4430.2	24683.7
0.634	PP	1974.7	8426.3
0.712	PB	1897.7	9879.5
0.840	SS	154.7	855.9
1.263	BP	20.9	110.7
1.441	PB	24.6	121.7
1.758	BB	52.0	331.4
3.343	BB	99.3	555.1
6.230	BB	323.3	3277.6
8.032	BB	21.6	105.1
8.299	BB	25.0	128.0
8.722	BB	35.6	180.9
9.039	BB	34.1	309.6
9.517	BB	237.3	1667.7
9.985	BP	111.1	641.6
10.257	PP	381.9	3188.1
10.469	PP	330.7	2952.0
10.686	PP	825.4	5676.2
10.864	PP	366.2	3225.3
11.075	PB	131.4	954.5
11.386	BP	96.7	680.8
11.559	PP	205.3	1658.2
11.770	PP	336.6	2250.7
11.915	PP	156.6	971.0
12.110	PP	948.1	4889.2
12.199	PP	1246.1	8689.4
12.393	PP	515.2	5547.7
12.705	PP	2515.8	20093.1
13.044	PP	682.0	4718.4
13.239	PP	4061.0	30334.6
13.611	PP	206.6	1408.8
13.806	PP	1851.8	21247.5

AI100620 Knt

13.956	SS	195.4	896.6
14.418	PP	3265.9	40599.6
14.679	PP	3081.7	21465.0
14.846	PP	1757.0	11823.8
15.047	PP	446.2	3584.9
15.208	PP	578.2	5055.0
15.670	PP	2499.7	18888.2
15.914	PP	1461.1	9653.3
16.053	PP	1490.8	14954.6
16.370	PP	6627.1	55468.0
16.910	SS	202.2	1139.2
17.094	PB	69.5	387.7
17.316	BP	61.3	287.2
17.650	PP	3293.3	43039.7
18.256	PP	73.0	370.4
18.390	PB	151.2	979.6
18.773	BP	221.3	1474.4
18.974	PP	948.7	8336.3
19.419	PB	1421.5	10672.0
20.481	BP	305.2	2612.1
20.937	PP	268.9	3701.4
21.215	PB	90.1	714.3
21.405	BB	23.6	133.8
22.172	BB	27.1	-99.1
22.562	BB	29.2	120.5
25.354	BB	2403.6	18725.9
		---	---
TOTAL		55829.7	447999.7

7263MS

Sample: M88891 1:100 Channel: E.C.D. 764 Filename: AI100621
Acquired: 06-OCT-88 19:48 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : ~~1.000~~ 100.00 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



dibutyl chlorendate

000341

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:21:49

SAMPLE: M88891 1:100
#21 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 19:48
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100621
Index: Disk
Injection Volume: 3.2 KAT
Dilution: ~~1.000~~ 100.00

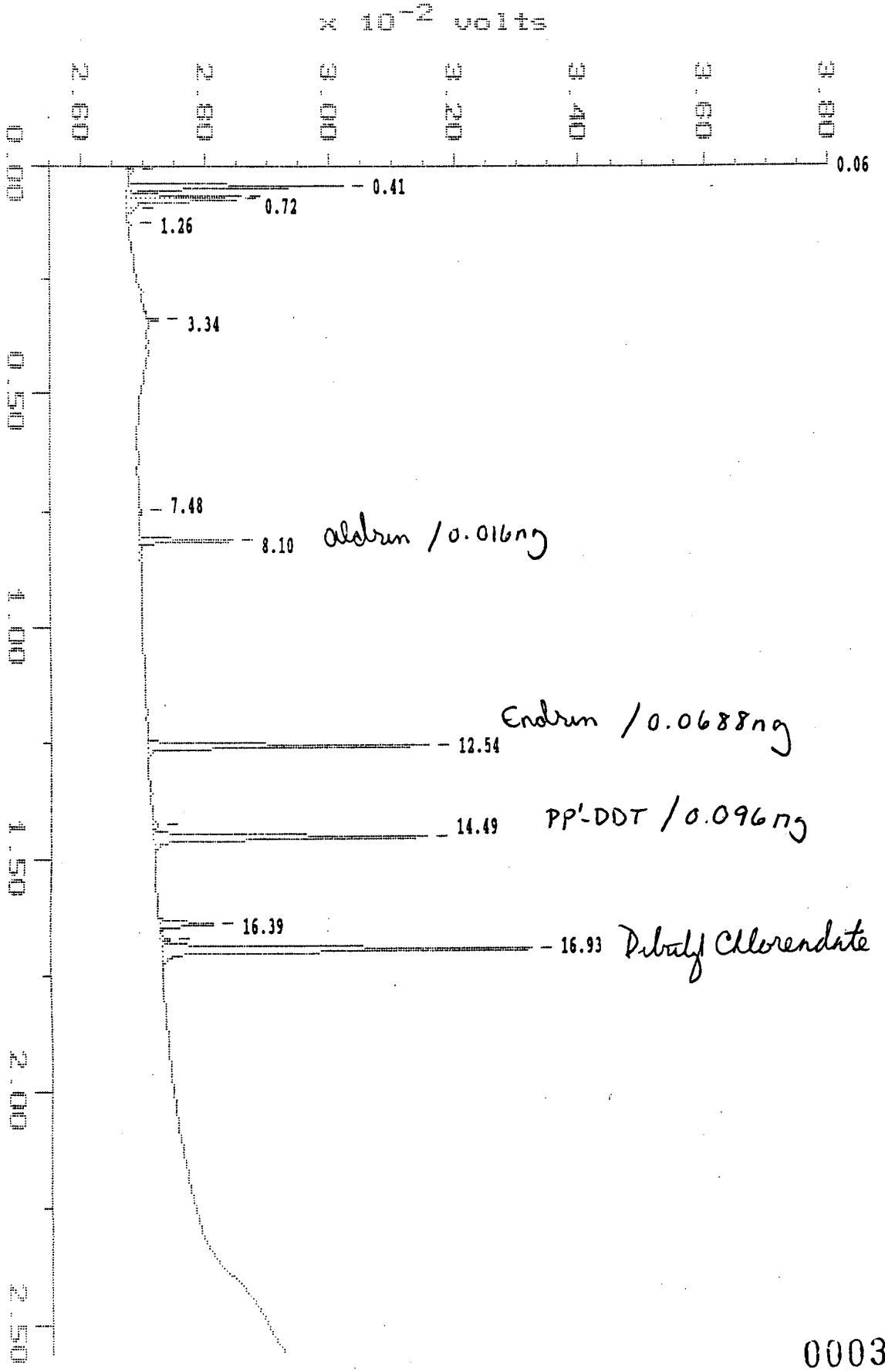
DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.067	DP	117.7	707.6
0.306	PP	461.0	2519.3
0.406	PP	4339.8	24070.8
0.634	PP	2003.6	8528.4
0.712	PB	1924.4	9991.4
0.840	SS	180.1	1009.7
2.720	BP	52.7	73.4
2.809	PB	27.1	115.1
3.087	BB	23.8	112.9
3.343	BB	87.1	285.6
6.230	BB	423.2	4104.7
7.037	BB	21.8	140.1
7.337	BB	27.1	117.1
7.576	BB	32.4	317.6
8.071	BB	30.4	208.4
8.294	BB	29.6	147.1
8.728	BP	109.9	727.4
9.045	PB	23.0	81.5
9.517	BB	356.0	2783.3
9.990	BP	95.6	420.2
10.257	PP	363.6	2415.9
10.474	PP	313.6	2511.2
10.686	PP	858.7	5350.9
10.864	PP	327.9	2441.7
11.081	PP	76.3	397.1
11.375	PP	133.6	990.1
11.570	PP	274.3	2273.6
11.770	PP	400.7	2687.8
11.915	PP	198.2	1191.9
12.110	PP	1079.6	5551.6
12.199	PP	1411.4	10127.8
12.404	PP	594.7	6487.9
12.705	PP	2824.4	22929.0
13.050	PP	784.3	5382.8

AI100621

13.239	PP	4547.8	34177.0
13.611	PP	229.8	1614.2
13.812	PP	2134.1	24676.2
13.962	SS	249.9	1087.4
14.323	PP	2594.9	15409.9
14.418	PP	3709.2	30831.2
14.679	PP	3490.4	24206.2
14.846	PP	1992.7	13635.8
15.047	PP	603.2	5060.3
15.213	PP	695.0	7038.1
15.670	PP	2876.3	23024.9
15.920	PP	1725.6	12116.3
16.059	PP	1769.8	17808.1
16.376	PP	7437.7	65829.8
16.916	SS	219.5	1232.9
17.094	SS	69.9	379.2
17.322	PP	127.7	866.7
17.650	PP	3733.2	49198.2
18.267	PP	75.1	419.0
18.401	PB	142.8	915.2
18.768	BP	291.2	2226.8
18.974	PP	996.0	8735.4
19.424	PB	1571.7	11767.8
20.487	BP	365.3	3124.7
20.765	PP	201.8	1363.9
20.943	PP	414.3	4694.4
21.215	PB	180.2	2242.1
21.432	SS	25.3	133.4
22.155	BB	65.7	230.4
22.567	BB	33.5	221.5
25.115	BP	103.8	-3719.5
25.354	PB	2968.7	26795.0
		---	---
TOTAL		65649.5	521982.4

Sample: EVAL B Channel: E.C.D. 764 Filename: AI100623
Acquired: 06-OCT-88 20:50 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.



aldrin / 0.016ng

Endrin / 0.0688ng

PP'-DDT / 0.096ng

Dibutyl Chlorendate / 0.160ng

000344

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:24:12

SAMPLE: EVAL B
#23 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 20:50
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

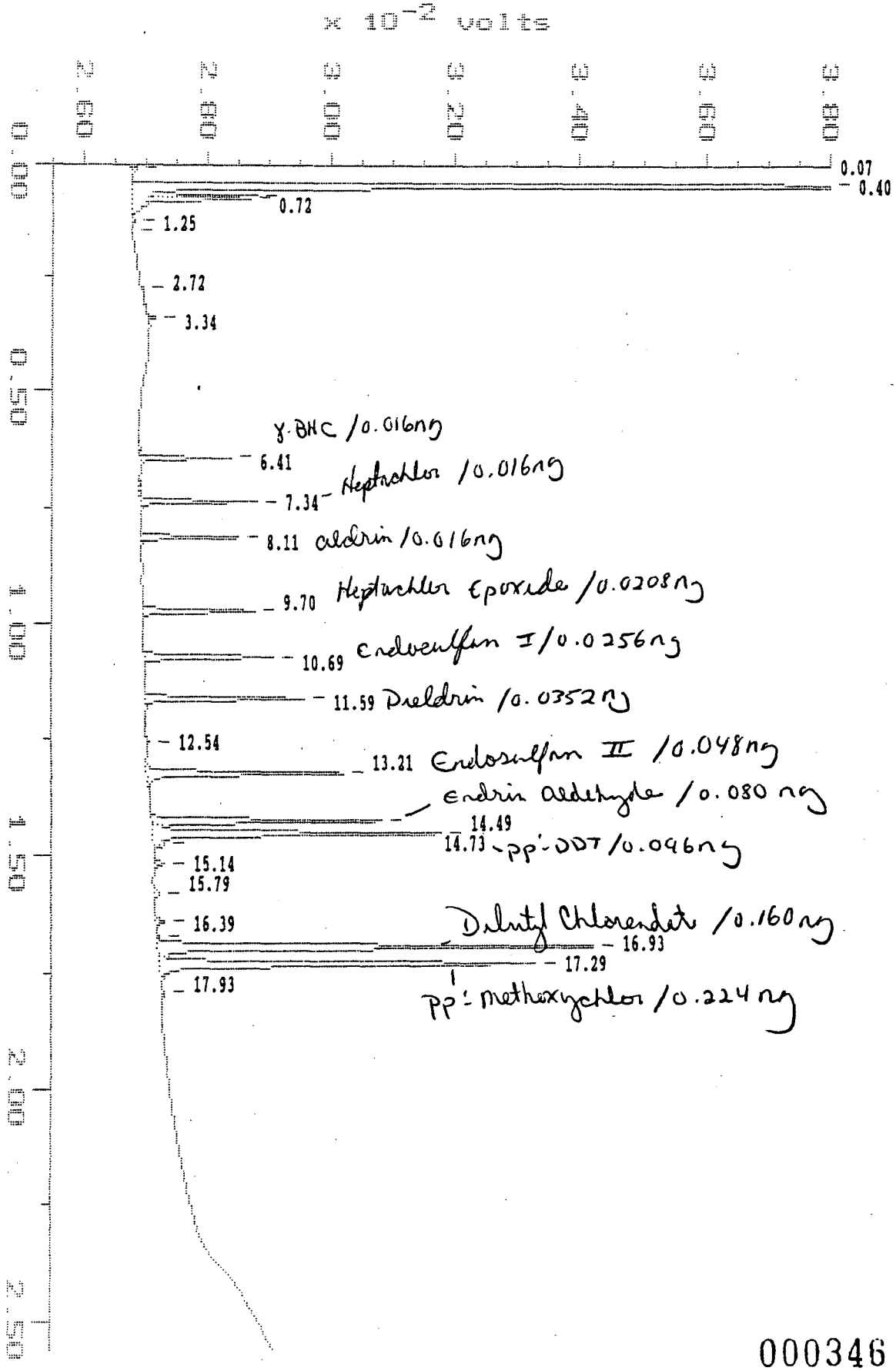
Type: UNKN
Instrument: HP764
Filename: AI100623
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.061	DB	80.9	303.3
0.406	BP	3470.7	18489.3
0.634	PP	1814.7	7516.0
0.718	PB	1738.9	8365.5
0.935	SS	45.5	228.0
1.257	BB	57.1	387.1
3.343	BB	198.8	572.9
7.476	BB	51.5	236.1
8.105	BB	1504.5	7109.8
12.543	BB	4503.0	25207.2
14.229	BP	69.6	408.0
14.490	PB	4350.5	27791.4
16.387	BB	862.0	5624.0
16.726	BP	145.8	820.5
16.932	PB	5881.0	40256.6
TOTAL		24774.7	143315.8

Sample: IND A 50% Channel: E.C.D. 764 Filename: AI100624
Acquired: 06-OCT-88 21:20 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.

KAT



000346

MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:25:26

SAMPLE: IND A 50%
#24 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 21:20
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

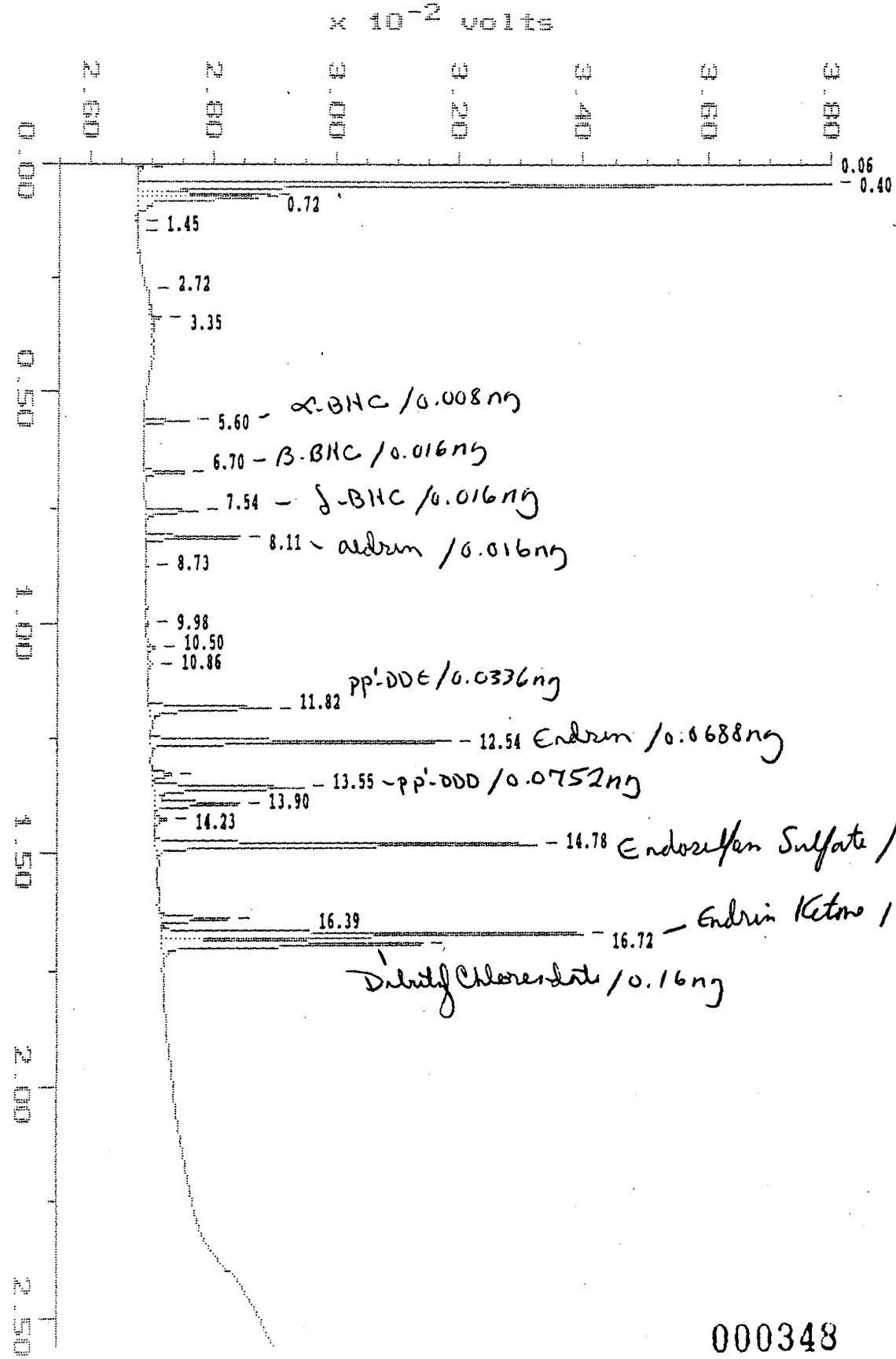
Type: UNKN
Instrument: HP764
Filename: AI100624
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.067	DB	81.9	337.8
0.401	BB	17956.0	101295.0
0.634	SV	1727.5	6752.9
0.718	VS	1662.9	6481.7
1.246	BB	21.9	90.3
1.446	BB	21.5	106.6
2.720	BB	40.7	-164.7
3.343	BB	125.3	577.5
6.408	BB	1490.1	5961.3
7.337	BB	1904.8	8687.5
8.110	BB	1566.4	7369.0
9.701	BB	1804.2	9492.6
10.686	BB	2078.4	11512.9
11.592	BB	2561.8	13871.9
12.538	BB	43.6	282.4
13.211	BB	3153.3	19433.2
14.223	BP	3694.8	23103.7
14.490	PB	4644.9	30998.1
14.730	SS	76.1	373.0
15.136	BB	149.5	990.1
15.786	BB	94.1	632.6
16.393	BB	126.7	835.5
16.726	BP	41.6	196.4
16.932	PP	6957.8	47932.5
17.294	PB	5992.5	41838.5
17.928	BB	59.8	372.1
TOTAL		58078.1	339689.7

Sample: IND B 50% Channel: E.C.D. 764 Filename: AI100625
Acquired: 06-OCT-88 21:51 Method: C:\MAX\764\AI1006MA Operator: KAT
Dilution: 1 : 1.000 Inj Vol: 3.20
Comments: HP #764. COLUMN: FSC RTx-35 MEGABORE, COLUMN ID #16.

KAT



MAXIMA 820 CUSTOM REPORT

Printed: 7-OCT-1988 7:26:35

SAMPLE: IND B 50%
#25 in Method: PEST FSC RTX-35 MEGABORE ID #16
Acquired: 6-OCT-1988 21:51
Rate: 3.0 points/sec
Duration: 25.999 minutes
Operator: KAT

Type: UNKN
Instrument: HP764
Filename: AI100625
Index: Disk
Injection Volume: 3.2
Dilution: 1.000

DETECTOR: E.C.D. 764

Retention Time (minutes)	Type	Peak Height	Peak Area
0.061	DB	84.0	328.9
0.401	BP	12668.1	62861.8
0.634	PP	2161.0	9511.3
0.718	PB	1990.1	10642.0
1.257	BB	26.0	116.0
1.446	BB	26.9	148.9
2.720	BB	39.7	-257.9
3.349	BB	152.9	1199.0
5.596	BB	724.9	2695.8
6.703	BB	652.2	3163.4
7.543	BB	858.4	4471.1
8.110	BB	1548.8	7326.6
8.733	BB	22.3	103.5
9.979	BB	44.0	350.7
10.502	BB	135.4	715.6
10.858	BB	53.0	368.6
11.820	BB	1955.6	13202.0
12.543	BB	4840.6	27040.7
13.255	BP	301.0	2415.9
13.550	PP	2422.5	16242.3
13.901	PP	1380.7	9056.0
14.229	PB	173.1	1111.0
14.780	BB	6145.1	38016.2
16.393	BP	1121.8	6892.1
16.721	PP	6775.3	41535.3
16.932	PB	4217.3	29333.4
TOTAL		50520.8	289106.0

ANALYSES BY METHODS 8010/8020

RAW SAMPLE DATA

LMS # 4471, 4475, 4476 field blank

Sample:	----	88885 SOIL PURG	88885
Column:	----	DB-624	VOCOL
File:	----	AA092017	AB092005
Dilution:	----	1.000	1.000
Date:	----	20-SEP-1988	20-SEP-1988
Time:	----	20:15	10:49

DB-624	VOCOL	** DB-624 ** Soln cnc	** DB-624 ** Finl cnc	** VOCOL ** Soln cnc	** VOCOL ** Finl cnc
Diethyl Ether	Diethyl Ether				
Acetone	Acetone				
MEK	MEK				
THF	THF				
Benzene	Benzene	~~0.40~~	~~0.40~~		
MIBK	2-CLetve P/MIBK				
Toluene	Toluene	~~0.11~~	~~0.11~~	0.11	0.11
Ethylbenzene	Ethylbenzene				
p/m-Xylene	p/m-Xylene	~~0.20~~	~~0.20~~	0.04	0.04
o-Xylen/Styrene	o-Xylene	~~0.14~~	~~0.14~~		
o-Xylen/Styrene	Styrene	~~0.14~~	~~0.14~~		
Cumene	Cumene				
---	---	---	---	---	---
CL2FL2methane	CL2FL2methane				
Chloromethane	Chloromethane			0.01	0.01
Vinyl Chlorid P	Vinyl Chlorid P				
Vinyl Chlorid H	Vinyl Chlorid H				
Bromomethane	Bromomethane				
Chloroethane	Chloroethane				
CL3FLmethane	CL3FLmethane	~~0.08~~	~~0.08~~	0.04	0.04
1,1-CL2ethene P	1,1-CL2ethene P				
1,1-CL2ethene H	1,1-CL2ethene H	~~0.08~~	~~0.08~~	0.10	0.10
CH2CL2	CH2CL2	8.39	8.39 (8.4)	2.38	2.38
t-12-Cl2eten P	t-12-CL2eten P				
t-12-CL2eten H	t-12-CL2eten H				
1,1-CL2ethane	1,1-CL2ethane	~~0.02~~	~~0.02~~	0.01	0.01
c-12-CL2etene P	c-12-CL2ethen P				
c-12-CL2etene H	c-12-CL2etene H				
Chloroform	Chloroform				
1,1,1-CL3ethane	1,1,1-CL3ethane	0.85	0.85 (0.8)	1.06	1.06
Carbon CL4	Carbon CL4				
1,2-CL2ethane	1,2-CL2ethane			0.00	0.00
CL3ethene P	CL3ethene P				
CL3ethene H	CL3ethene H	~~0.04~~	~~0.04~~		
1,2-CL2propane	1,2-CL2propane	~~0.03~~	~~0.03~~		
BRCL2methane	BRCL2methane				
2-CLethvineth P	2-CLetve P/MIBK				
2-CLethvineth H	2-CLetve H				
c-13-CL2prpen P	c-13-CL2prpen P				
c-13-CL2prpen H	c-13-CL2prpen H				
t-13-CL2prpen P	t-13-CL2prpen P				
t-13-CL2prpen H	t-13-CL2prpen H	~~0.03~~	~~0.03~~		
1,1,2-CL3ethane	1,1,2-CL3ethane				
CL4ethene P	CL4ethene P				
CL4ethene H	CL4ethene H	~~0.04~~	~~0.04~~	0.01	0.01
BR2CLmethane	BR2CLmethane				
Chlorobenzene P	Chlorobenzene P				
Chlorobenzene H	Chlorobenzene H				
Bromoform	Bromoform	~~0.05~~	~~0.05~~ CLF 11/7/88	0.05	0.05

000350

~~000351~~ CLF 11/15/88

(Contd. from previous page)

Sample:	----	88892 0.31 G	88892 1.12gm
Column:	----	DB-624	VOCOL
File:	----	AA092018	~~XXX~~ AB092006
Dilution:	----	16.130	1.000
Date:	----	20-SEP-1988	
Time:	----	21:48	

DB-624	VOCOL	** DB-624 ** Soln cnc	Finl cnc	** VOCOL ** Soln cnc	Finl cnc
1,1,2,2-CL4etha	1,1,2,2-CL4etha				
13-CL2benzene P	13-CL2benzene P				
13-CL2benzene H	13-CL2benzene H				
14-CL2benzene P	14-CL2benzene P				
14-CL2benzene H	14-CL2benzene H				
12-CL2benzene P	12-CL2benzene P				
12-CL2benzene H	12-CL2benzene H	~~4.97~~	~~31.80~~	Not Confirmed	
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o-CLtoluene P	o-CLtoluene(P)	5.87			
o-CLtoluene H	o-CLtoluene(H)	6.49			

Rep of LMS 7552, 1511 — Replicate

Sample:	---- 88892 0.13 G	88892 1.12 gm
Column:	---- DB-624	VOCOL
File:	---- AA092019	~~XXX~~ AB092006
Dilution:	---- 38.460	1.000
Date:	---- 20-SEP-1988	
Time:	---- 22:28	

DB-624	VOCOL	** DB-624 ** Soln cnc	Finl cnc	** VOCOL ** Soln cnc	Finl cnc	
Diethyl Ether	Diethyl Ether					
Acetone	Acetone					
MEK	MEK					
THF	THF					
Benzene	Benzene					
MIBK	2-CLetve P/MIBK					
Toluene	Toluene					
Ethylbenzene	Ethylbenzene					
p/m-Xylene	p/m-Xylene					
o-Xylen/Styrene	o-Xylene					
o-Xylen/Styrene	Styrene					
Cumene	Cumene					
CL2FL2methane	CL2FL2methane					
Chloromethane	Chloromethane					
Vinyl Chlorid P	Vinyl Chlorid P					
Vinyl Chlorid H	Vinyl Chlorid H					
Bromomethane	Bromomethane					
Chloroethane	Chloroethane					
CL3FLmethane	CL3FLmethane	~~0.06~~	~~2.21~~			
1,1-CL2ethene P	1,1-CL2ethene P					
1,1-CL2ethene H	1,1-CL2ethene H	0.30	11.68	(12)		confirmed
CH2CL2	CH2CL2	7.62	293.08	(290)		confirmed
t-12-Cl2eten P	t-12-CL2eten P					
t-12-CL2eten H	t-12-CL2eten H					
1,1-CL2ethane	1,1-CL2ethane	1.19	45.92	(46)		confirmed
c-12-CL2etene P	c-12-CL2ethen P					
c-12-CL2etene H	c-12-CL2etene H					
Chloroform	Chloroform					
1,1,1-CL3ethane	1,1,1-CL3ethane	26.35	1013.28	(1000)		confirmed
Carbon CL4	Carbon CL4					
1,2-CL2ethane	1,2-CL2ethane	~~0.15~~	~~5.63~~			
CL3ethene P	CL3ethene P					
CL3ethene H	CL3ethene H					
1,2-CL2propane	1,2-CL2propane	~~0.05~~	~~1.92~~			
BRCL2methane	BRCL2methane					
2-CLethvineth P	2-CLetve P/MIBK					
2-CLethvineth H	2-CLetve H					
c-13-CL2prpen P	c-13-CL2prpen P					
c-13-CL2prpen H	c-13-CL2prpen H					
t-13-CL2prpen P	t-13-CL2prpen P					
t-13-CL2prpen H	t-13-CL2prpen H					
1,1,2-CL3ethane	1,1,2-CL3ethane					
CL4ethene P	CL4ethene P					
CL4ethene H	CL4ethene H					
BR2CLmethane	BR2CLmethane					
Chlorobenzene P	Chlorobenzene P					
Chlorobenzene H	Chlorobenzene H					
Bromoform	Bromoform					

CL 11/14/88

(Contd. from previous page)

Sample:	----	88892 0.13 G	
Column:	----	DB-624	VOCOL
File:	----	AA092019	XXX
Dilution:	----	38.460	1.000
Date:	----	20-SEP-1988	
Time:	----	22:28	

DB-624	VOCOL	** DB-624 ** Soln cnc	Finl cnc	** VOCOL ** Soln cnc	Finl cnc
1,1,2,2-CL4etha	1,1,2,2-CL4etha				
13-CL2benzene P	13-CL2benzene P				
13-CL2benzene H	13-CL2benzene H				
14-CL2benzene P	14-CL2benzene P				
14-CL2benzene H	14-CL2benzene H				
12-CL2benzene P	12-CL2benzene P				
12-CL2benzene H	12-CL2benzene H	~~0.70~~	~~26.91~~	Not Confirmed	
o-CLtoluene P	o-CLtoluene(P)	12.93	497.43		
o-CLtoluene H	o-CLtoluene(H)	8.27	317.92		

CB 11/14/88

LMS # 7342, 7352

		88893 0.99gm	88893 1.18gm
Sample:	----		
Column:	----	DB-624	VOCOL
File:	----	~~XXX~~ AA092808	~~XXX~~ AB092008
Dilution:	----	1.000	1.000
Date:	----		
Time:	----		

DB-624	VOCOL	** DB-624 ** Soln cnc	Finl cnc	** VOCOL ** Soln cnc	Finl cnc	
Diethyl Ether	Diethyl Ether					
Acetone	Acetone					
MEK	MEK					
THF	THF					
Benzene	Benzene					
MIBK	2-CLetve P/MIBK					
Toluene	Toluene	3.59	18.14	(18)	confirmed	
Ethylbenzene	Ethylbenzene					
p/m-Xylene	p/m-Xylene					
o-Xylen/Styrene	o-Xylene					
o-Xylen/Styrene	Styrene					
Cumene	Cumene					
---	---					
CL2FL2methane	CL2FL2methane					
Chloromethane	Chloromethane					
Vinyl Chlorid P	Vinyl Chlorid P					
Vinyl Chlorid H	Vinyl Chlorid H					
Bromomethane	Bromomethane					
Chloroethane	Chloroethane					
CL3FLmethane	CL3FLmethane					
1,1-CL2ethene P	1,1-CL2ethene P					
1,1-CL2ethene H	1,1-CL2ethene H	33.37	168.51	(170)	confirmed	
CH2CL2	CH2CL2	0.81	4.11	(4)	confirmed	
t-12-Cl2eten P	t-12-CL2eten P					
t-12-CL2eten H	t-12-CL2eten H					
1,1-CL2ethane	1,1-CL2ethane	56.93	287.49	(290)	confirmed	
c-12-CL2etene P	c-12-CL2ethen P					
c-12-CL2etene H	c-12-CL2etene H					
Chloroform	Chloroform					
1,1,1-CL3ethane	1,1,1-CL3ethane	>510.20	>2576.53	→	see following pages for methanol extract quantitation of	
Carbon CL4	Carbon CL4					
1,2-CL2ethane	1,2-CL2ethane	5.71	28.83	(29)	confirmed	
CL3ethene P	CL3ethene P					
CL3ethene H	CL3ethene H					
1,2-CL2propane	1,2-CL2propane					
BRCL2methane	BRCL2methane					
2-CLethvineth P	2-CLetve P/MIBK					
2-CLethvineth H	2-CLetve H					
c-13-CL2prpen P	c-13-CL2prpen P					
c-13-CL2prpen H	c-13-CL2prpen H					
t-13-CL2prpen P	t-13-CL2prpen P					
t-13-CL2prpen H	t-13-CL2prpen H					
1,1,2-CL3ethane	1,1,2-CL3ethane					
CL4ethene P	CL4ethene P					
CL4ethene H	CL4ethene H					
BR2CLmethane	BR2CLmethane					
Chlorobenzene P	Chlorobenzene P					
Chlorobenzene H	Chlorobenzene H					
Bromoform	Bromoform	~~0.51~~	~~2.58~~		Not Confirmed	

CLF 11/14/97

(Contd. from previous page)

Sample:	----	88893 0.99gm	88893 1.18gm
Column:	----	DB-624	VOCOL
File:	----	XXX	~~XXX~~ A6092008
Dilution:	----	1.000	1.000
Date:	----		
Time:	----		

DB-624	VOCOL	** DB-624 ** Soln cnc	Finl cnc	** VOCOL ** Soln cnc	Finl cnc
1,1,2,2-CL4etha	1,1,2,2-CL4etha				
13-CL2benzene P	13-CL2benzene P				
13-CL2benzene H	13-CL2benzene H				
14-CL2benzene P	14-CL2benzene P				
14-CL2benzene H	14-CL2benzene H				
12-CL2benzene P	12-CL2benzene P				
12-CL2benzene H	12-CL2benzene H				
----------	----------				
o-CLtoluene P	o-CLtoluene(P)	8.88	44.83		
o-CLtoluene H	o-CLtoluene(H)	8.71	43.99		

Sample:	----	88893SOIL	88893 1.18 G
Column:	----	DB-624	VOCOL
File:	----	AA092908	AB092008
Dilution:	----	862.100	4.240
Date:	----	29-SEP-1988	20-SEP-1988
Time:	----	13:59	18:30

DB-624	VOCOL	** DB-624 ** Soln cnc	Finl cnc	** VOCOL ** Soln cnc	Finl cnc
Diethyl Ether	Diethyl Ether				
Acetone	Acetone				
MEK	MEK	~~27.37~~	~~23596.01~~		
THF	THF				
Benzene	Benzene				
MIBK	2-CLetve P/MIBK	~~0.46~~	~~392.99~~		
Toluene	Toluene	~~0.32~~	~~275.26~~	0.07	0.29
Ethylbenzene	Ethylbenzene	~~0.08~~	~~66.13~~		
p/m-Xylene	p/m-Xylene	~~0.05~~	~~43.29~~		
o-Xylen/Styrene	o-Xylene	~~0.11~~	~~98.01~~		
o-Xylen/Styrene	Styrene	~~0.11~~	~~98.01~~		
Cumene	Cumene	~~0.06~~	~~49.21~~		
CL2FL2methane	CL2FL2methane	~~0.10~~	~~88.39~~		
Chloromethane	Chloromethane	~~0.05~~	~~43.63~~		
Vinyl Chlorid P	Vinyl Chlorid P	~~0.09~~	~~77.53~~		
Vinyl Chlorid H	Vinyl Chlorid H				
Bromomethane	Bromomethane				
Chloroethane	Chloroethane				
CL3FLmethane	CL3FLmethane			0.01	0.06
1,1-CL2ethene P	1,1-CL2ethene P	~~0.25~~	~~212.76~~		
1,1-CL2ethene H	1,1-CL2ethene H	~~0.80~~	~~692.66~~		
CH2CL2	CH2CL2	0.92	795.98	1.38	5.86
t-12-Cl2eten P	t-12-CL2eten P				
t-12-CL2eten H	t-12-CL2eten H				
1,1-CL2ethane	1,1-CL2ethane	~~0.89~~	~~767.43~~	0.04	0.18
c-12-CL2etene P	c-12-CL2ethen P	~~0.41~~	~~353.72~~		
c-12-CL2etene H	c-12-CL2etene H				
Chloroform	Chloroform	~~0.23~~	~~195.00~~		
1,1,1-CL3ethane	1,1,1-CL3ethane	23.07	19887.24 (20000)	2.25	9.55
Carbon CL4	Carbon CL4				
1,2-CL2ethane	1,2-CL2ethane	~~0.12~~	~~99.84~~	0.22	0.92
CL3ethene P	CL3ethene P	~~0.24~~	~~203.79~~		
CL3ethene H	CL3ethene H				
1,2-CL2propane	1,2-CL2propane				
BRCL2methane	BRCL2methane				
2-CLethvineth P	2-CLetve P/MIBK				
2-CLethvineth H	2-CLetve H				
c-13-CL2prpen P	c-13-CL2prpen P	~~0.08~~	~~65.39~~		
c-13-CL2prpen H	c-13-CL2prpen H				
t-13-CL2prpen P	t-13-CL2prpen P	~~0.40~~	341.37		
t-13-CL2prpen H	t-13-CL2prpen H				
1,1,2-CL3ethane	1,1,2-CL3ethane			0.00	0.01
CL4ethene P	CL4ethene P	~~0.10~~	~~84.30~~		
CL4ethene H	CL4ethene H				
BR2CLmethane	BR2CLmethane				
Chlorobenzene P	Chlorobenzene P				
Chlorobenzene H	Chlorobenzene H				
Bromoform	Bromoform				

11/15/88

(Contd. from previous page)

Sample:	----	88893SOIL	88893 1.18 G
Column:	----	DB-624	VOCOL
File:	----	AA092908	AB092008
Dilution:	----	862.100	4.240
Date:	----	29-SEP-1988	20-SEP-1988
Time:	----	13:59	18:30

DB-624	VOCOL	** DB-624 ** Soln cnc	** DB-624 ** Finl cnc	** VOCOL ** Soln cnc	** VOCOL ** Finl cnc
1,1,2,2-CL4etha	1,1,2,2-CL4etha				
13-CL2benzene P	13-CL2benzene P	~~0.23~~	~~200.36~~		
13-CL2benzene H	13-CL2benzene H				
14-CL2benzene P	14-CL2benzene P				
14-CL2benzene H	14-CL2benzene H				
12-CL2benzene P	12-CL2benzene P				
12-CL2benzene H	12-CL2benzene H				
o-CLtoluene P	o-CLtoluene(P)	9.98	8601.62	2.18	9.23
o-CLtoluene H	o-CLtoluene(H)	9.95	8579.07	2.09	8.88

11/15/88
CF

LMS² 7423, 7344

Sample:	----	88894 1.109 gm	88894 1.09 gm
Column:	----	DB-624	VOCOL
File:	----	~~XXX~~ AA092810	~~XXX~~ A8092009
Dilution:	----	1.000	1.000
Date:	----		
Time:	----		

DB-624	VOCOL	** DB-624 ** Soln cnc	Finl cnc	** VOCOL ** Soln cnc	Finl cnc	
Diethyl Ether	Diethyl Ether					
Acetone	Acetone					
MEK	MEK					
THF	THF					
Benzene	Benzene					
MIBK	2-CLetve P/MIBK					
Toluene	Toluene	23.67	118.35	(120)	confirmed	
Ethylbenzene	Ethylbenzene					
p/m-Xylene	p/m-Xylene					
o-Xylen/Styrene	o-Xylene					
o-Xylen/Styrene	Styrene					
Cumene	Cumene					
---	---					
CL2FL2methane	CL2FL2methane					
Chloromethane	Chloromethane					
Vinyl Chlorid P	Vinyl Chlorid P					
Vinyl Chlorid H	Vinyl Chlorid H					
Bromomethane	Bromomethane					
hloroethane	Chloroethane					
L3FLmethane	CL3FLmethane					
1,1-CL2ethene P	1,1-CL2ethene P					
1,1-CL2ethene H	1,1-CL2ethene H	23.66	118.29	(120)	confirmed	
CH2CL2	CH2CL2	0.63	3.16	(3)	confirmed	
t-12-Cl2eten P	t-12-CL2eten P					
t-12-CL2eten H	t-12-CL2eten H					
1,1-CL2ethane	1,1-CL2ethane	9.56	47.81	(48)	confirmed	
c-12-CL2etene P	c-12-CL2ethen P					
c-12-CL2etene H	c-12-CL2etene H					
Chloroform	Chloroform	~~0.34~~	~~1.69~~		see following pages for methanol extract quantitation of confirmed	
1,1,1-CL3ethane	1,1,1-CL3ethane	>578.11	>2890.56	→		
Carbon CL4	Carbon CL4					
1,2-CL2ethane	1,2-CL2ethane	12.13	60.66	(61)		
CL3ethene P	CL3ethene P					
CL3ethene H	CL3ethene H	~~0.26~~	1.30			
1,2-CL2propane	1,2-CL2propane					
BRCL2methane	BRCL2methane					
2-CLethvineth P	2-CLetve P/MIBK					
2-CLethvineth H	2-CLetve H					
c-13-CL2prpen P	c-13-CL2prpen P					
c-13-CL2prpen H	c-13-CL2prpen H					
t-13-CL2prpen P	t-13-CL2prpen P					
t-13-CL2prpen H	t-13-CL2prpen H					
1,1,2-CL3ethane	1,1,2-CL3ethane					
CL4ethene P	CL4ethene P					
L4ethene H	CL4ethene H					
BR2CLmethane	BR2CLmethane					
Chlorobenzene P	Chlorobenzene P					
Chlorobenzene H	Chlorobenzene H					
Bromoform	Bromoform					

CS 11/14/88

(Contd. from previous page)

Sample:	----		
Column:	----	DB-624	VOCOL
File:	----	XXX	XXX
Dilution:	----	1.000	1.000
Date:	----		
Time:	----		

DB-624	VOCOL	** DB-624 ** Soln cnc	Finl cnc	** VOCOL ** Soln cnc	Finl cnc
1,1,2,2-CL4etha	1,1,2,2-CL4etha				
13-CL2benzene P	13-CL2benzene P				
13-CL2benzene H	13-CL2benzene H				
14-CL2benzene P	14-CL2benzene P				
14-CL2benzene H	14-CL2benzene H				
12-CL2benzene P	12-CL2benzene P				
12-CL2benzene H	12-CL2benzene H	present (high)			
----------	----------				
o-CLtoluene P	o-CLtoluene(P)	8.85'	44.24'		
o-CLtoluene H	o-CLtoluene(H)	9.05'	45.25'		

LMS - 7493/7344

Sample:	----	88894SOIL	88894 1.09 G
Column:	----	DB-624	VOCOL
File:	----	AA092909	AB092009
Dilution:	----	934.600	4.590
Date:	----	29-SEP-1988	20-SEP-1988
Time:	----	14:40	19:35

DB-624	VOCOL	** DB-624 ** Soln cnc	** DB-624 ** Finl cnc	** VOCOL ** Soln cnc	** VOCOL ** Finl cnc
Diethyl Ether	Diethyl Ether				
Acetone	Acetone	~~1.91~~	~~1787.27~~		
MEK	MEK	~~27.25~~	~~25470.60~~		
THF	THF				
Benzene	Benzene				
MIBK	2-CLetve P/MIBK	~~0.45~~	~~417.35~~		
Toluene	Toluene	~~0.47~~	~~439.33~~	6.31	28.96
Ethylbenzene	Ethylbenzene	~~0.08~~	~~75.47~~		
p/m-Xylene	p/m-Xylene	~~0.06~~	~~55.28~~		
o-Xylen/Styrene	o-Xylene	~~0.12~~	~~114.59~~		
o-Xylen/Styrene	Styrene	~~0.12~~	~~114.59~~		
Cumene	Cumene	~~0.05~~	~~48.24~~		
CL2FL2methane	CL2FL2methane	~~0.10~~	~~91.16~~		
Chloromethane	Chloromethane	~~0.05~~	~~48.97~~	0.05	0.25
Vinyl Chlorid P	Vinyl Chlorid P				
Vinyl Chlorid H	Vinyl Chlorid H				
Bromomethane	Bromomethane			0.01	0.06
[illegible]loroethane	Chloroethane				
CL3FLmethane	CL3FLmethane	~~0.04~~	~~38.46~~	0.04	0.18
1,1-CL2ethene P	1,1-CL2ethene P	~~0.27~~	~~254.75~~		
1,1-CL2ethene H	1,1-CL2ethene H	~~0.35~~	~~329.43~~		
CH2CL2	CH2CL2	~~0.91~~	~~854.57~~	2.80	12.83
t-12-Cl2eten P	t-12-CL2eten P				
t-12-CL2eten H	t-12-CL2eten H				
1,1-CL2ethane	1,1-CL2ethane	~~0.09~~	~~80.58~~	2.62	12.03
c-12-CL2etene P	c-12-CL2ethen P				
c-12-CL2etene H	c-12-CL2etene H				
Chloroform	Chloroform	~~0.23~~	~~214.88~~		
1,1,1-CL3ethane	1,1,1-CL3ethane	21.07	19692.69 (2000)	>123.32	>566.05
Carbon CL4	Carbon CL4				
1,2-CL2ethane	1,2-CL2ethane	~~0.11~~	~~105.33~~	4.45	20.42
CL3ethene P	CL3ethene P	~~0.30~~	~~283.57~~		
CL3ethene H	CL3ethene H				
1,2-CL2propane	1,2-CL2propane			0.01	0.04
BRCL2methane	BRCL2methane				
2-CLethvineth P	2-CLetve P/MIBK				
2-CLethvineth H	2-CLetve H				
c-13-CL2prpen P	c-13-CL2prpen P	~~0.08~~	~~71.89~~		
c-13-CL2prpen H	c-13-CL2prpen H				
t-13-CL2prpen P	t-13-CL2prpen P	~~0.26~~	~~243.03~~		
t-13-CL2prpen H	t-13-CL2prpen H				
1,1,2-CL3ethane	1,1,2-CL3ethane	~~0.01~~	~~7.57~~	0.04	0.19
CL4ethene P	CL4ethene P	~~0.05~~	~~45.08~~		
[illegible]4ethene H	CL4ethene H				
BR2CLmethane	BR2CLmethane	~~0.03~~	~~27.08~~		
Chlorobenzene P	Chlorobenzene P	~~0.03~~	~~28.31~~		
Chlorobenzene H	Chlorobenzene H				
Bromoform	Bromoform				

CLF 11/15/88

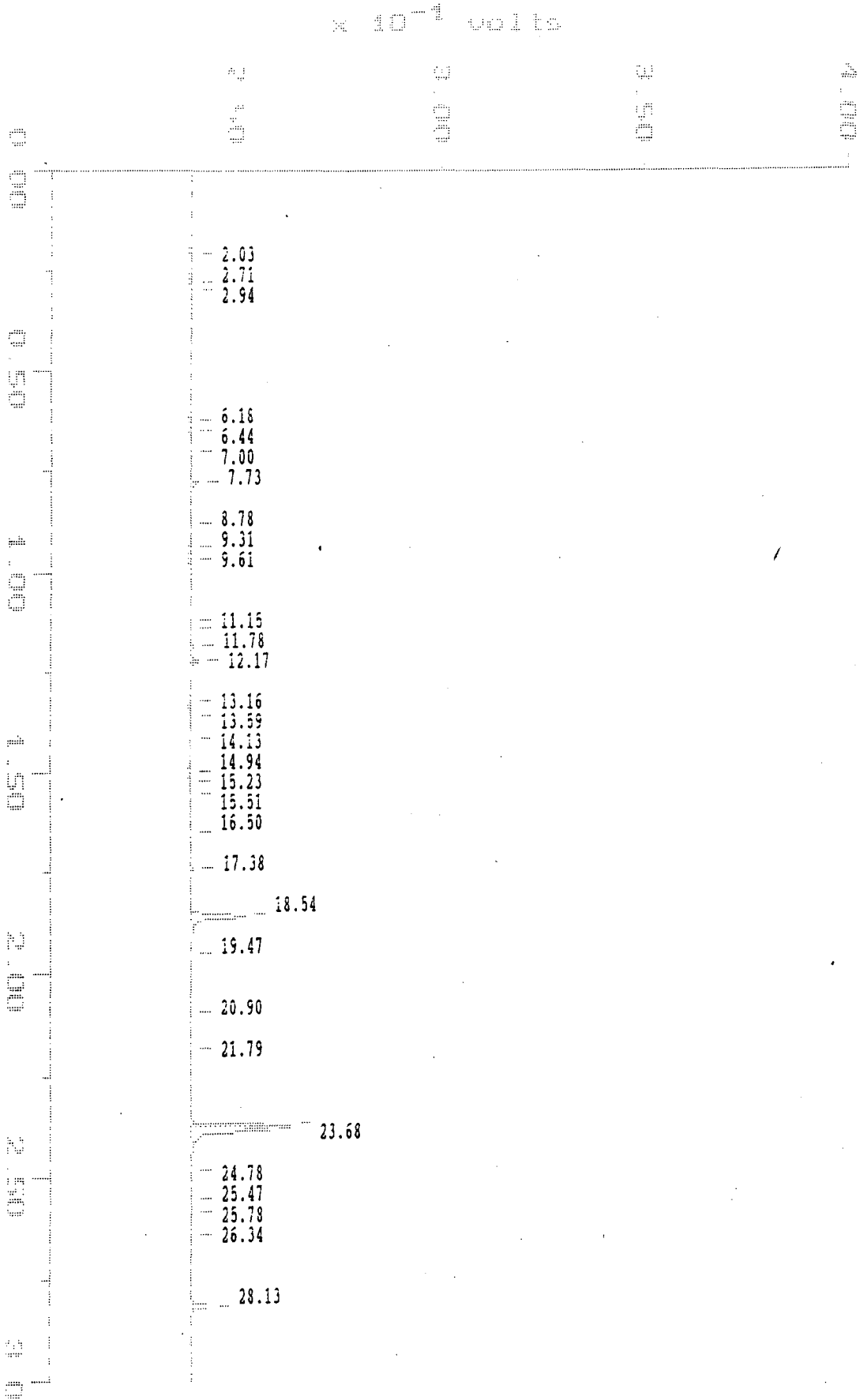
(Contd. from previous page)

Sample:	----	88894SOIL	88894 1.09 G
Column:	----	DB-624	VOCOL
File:	----	AA092909	AB092009
Dilution:	----	934.600	4.590
Date:	----	29-SEP-1988	20-SEP-1988
Time:	----	14:40	19:35

DB-624	VOCOL	** DB-624 ** Soln cnc	** DB-624 ** Finl cnc	** VOCOL ** Soln cnc	** VOCOL ** Finl cnc
1,1,2,2-CL4etha	1,1,2,2-CL4etha				
13-CL2benzene P	13-CL2benzene P				
13-CL2benzene H	13-CL2benzene H				
14-CL2benzene P	14-CL2benzene P				
14-CL2benzene H	14-CL2benzene H				
12-CL2benzene P	12-CL2benzene P				
12-CL2benzene H	12-CL2benzene H	~~0.04~~	~~37.22~~		
o-CLtoluene P	o-CLtoluene(P)	11.52	10762.76	3.36	15.42
o-CLtoluene H	o-CLtoluene(H)	9.95	9298.48	3.12	14.32

CLF 11/15/88

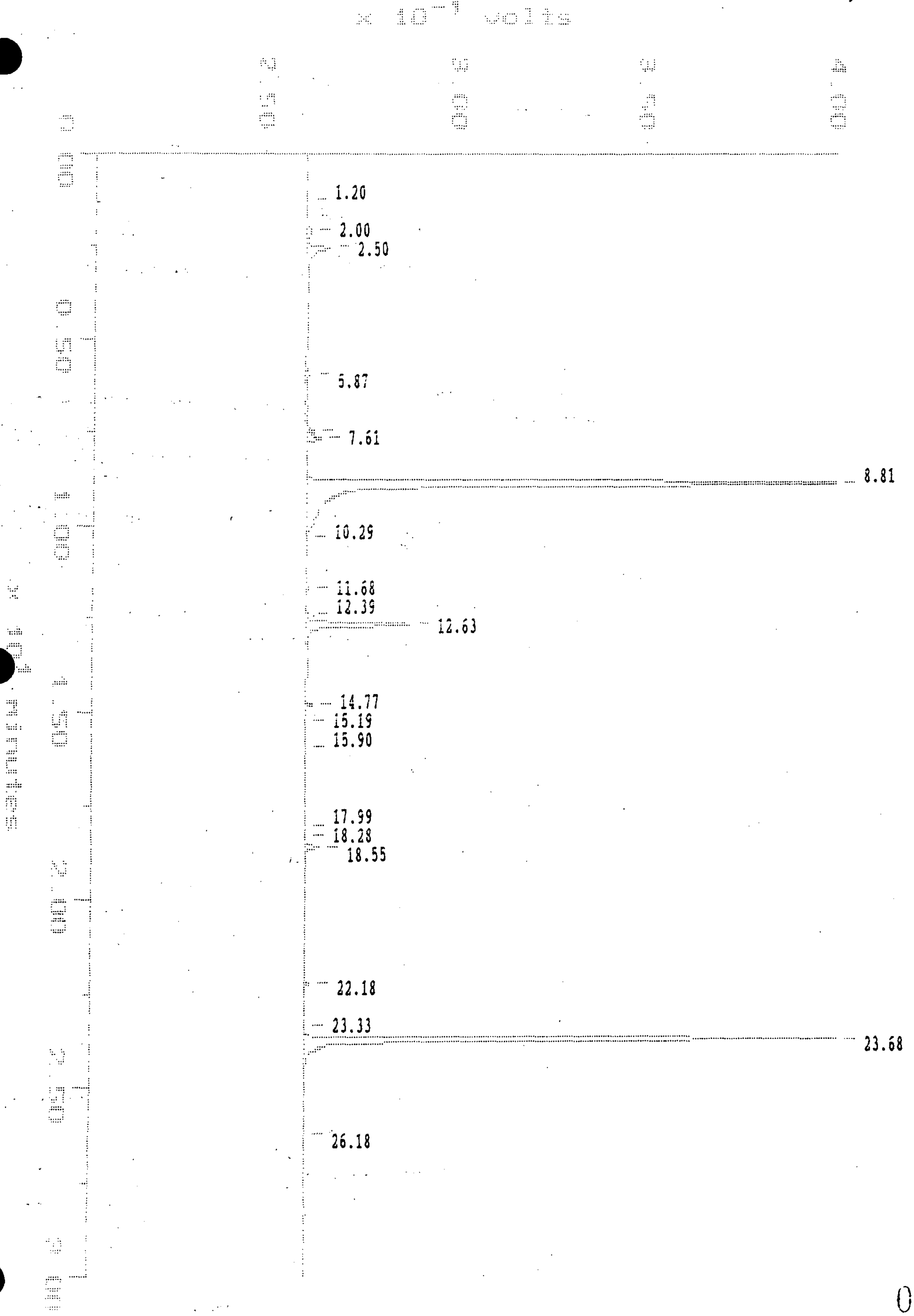
Sample: 88885 SOIL PURG Channel: PID Col:DB-624 Filename: AA092017
Acquired: 20-SEP-88 20:15 Method: C:\MAX\1194\AA_0920 Operator:



000364

000353 of 11/15/88

Sample: 88885 SOIL PURG Channel: HALL Col:DB-624 Filename: AA092017
Acquired: 20-SEP-88 20:15 Method: C:\MAX\1194\AA_0920 Operator: [signature]



000365
~~000359~~ 11/15/88

MAXIMA 820 CUSTOM REPORT

Printed: 13-OCT-1988 14:03:05

SAMPLE: 88885 SOIL PURG
#17 in Method: VOA 601/602 Tracor 1194
Acquired: 20-SEP-1988 20:15
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: UNKN
Instrument: TRACOR 1194
Filename: AA092017
Index: Disk

DETECTOR: PID Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.033	BB	727			
2	2.708	BP	2362			
3	2.942	PB	7607			
4	6.183	BP	2616			
5	6.442	PP	3136			
6	7.000	PB	3014			
7	7.725	BB	11199			
8	8.775	BP	1295			
9	9.308	PP	6182			
10	9.608	PB	3267			
11	11.150	BP	755			
12	11.375	PB	1147			
13	11.783	BB	3843			
14	12.167	BB	14254			
15	13.158	BB	540	0.40	0.40	benzene
16	13.592	BB	2216			
17	14.125	BB	823			
18	14.942	BP	3495			
19	15.233	PP	1988			
20	15.508	PB	2559			
21	16.500	BB	-532			
22	17.375	BB	1686	0.11	0.11	toluene
23	18.542	BB	102946			
24	19.467	BB	1751			
25	20.900	BB	1350	0.20	0.20	p/m-xylene
26	21.792	BB	947	0.14	0.14	o-Xylen/Styrene
27	23.675	BP	120028	7.74	7.74	o-CLtoluene (P)
28	23.783	PB	136212			
29	24.783	BB	776			
30	25.467	BP	1394			
31	25.783	PP	1715			
32	26.342	PB	1421			
33	28.125	BB	36373			

000366 CLF
~~000360~~
11/15/88

NA092017

TAL	480153	8.60	8.60	

DETECTOR: HALL Col:DB-624

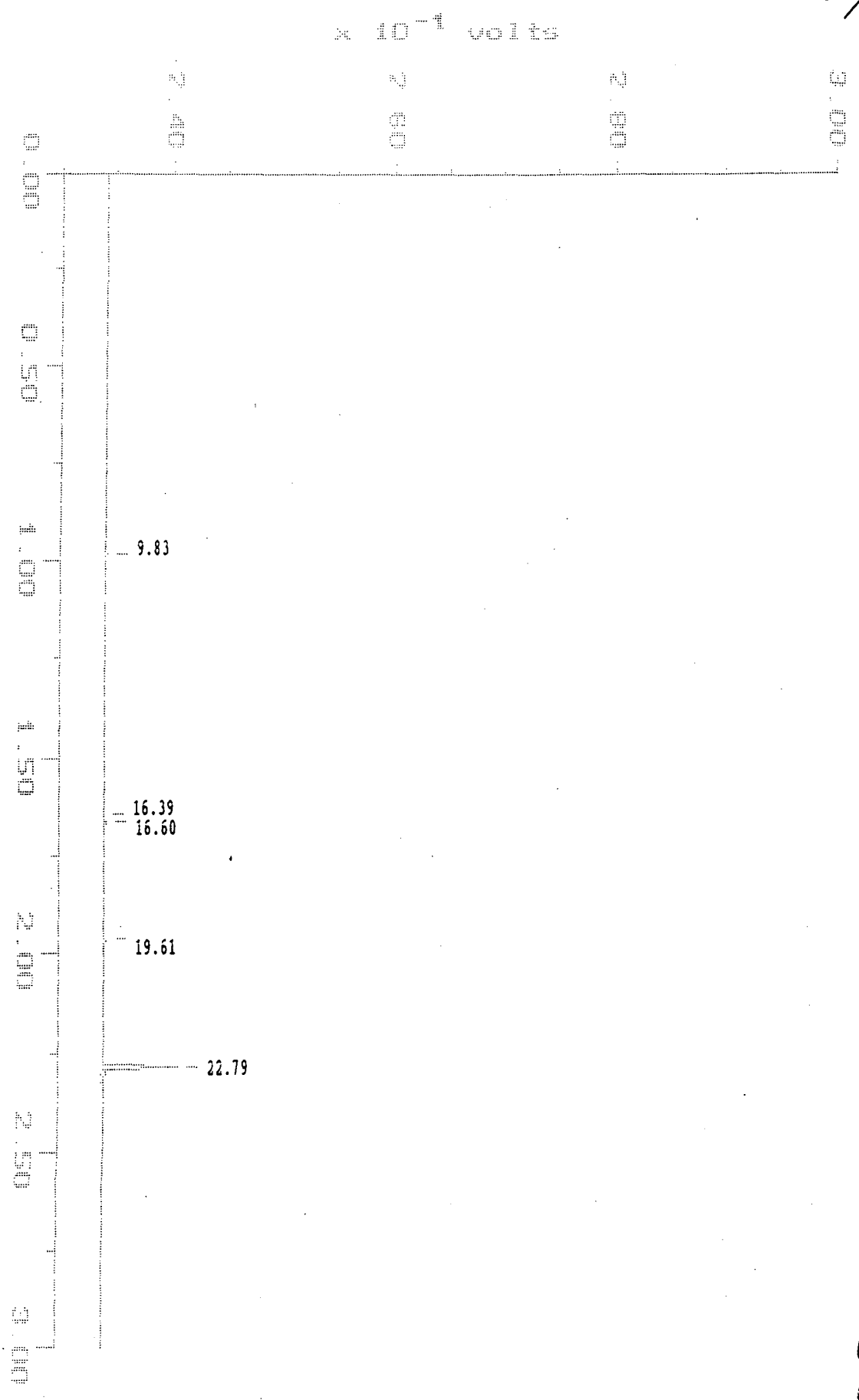
PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	1.200	BB	2052			
2	2.000	BP	21111			
3	2.500	PB	53321			
4	5.867	BB	8928	0.08	0.08	CL3FLmethane
5	7.400	BP	12185	0.08	0.08	1,1-CL2ethene
6	7.608	PB	37751	0.31	0.31	Freon-113
7	8.808	BB	2669716	8.39	8.39	CH2CL2
8	10.292	SS	1880	0.02	0.02	1,1-CL2ethane
9	11.683	BB	4544	Invalid	Invalid	c-1,2-CL2ethene
10	12.392	BP	3269	Invalid	Invalid	chloroform
11	12.633	PB	205176	0.85	0.85	1,1,1-CL3ethane
12	14.767	BP	10511	0.04	0.04	CL3ethene
13	15.192	PB	3574	0.03	0.03	1,2-CL2propane
14	15.900	BB	733	Invalid	Invalid	BRCL2methane
15	17.992	BP	2837	0.03	0.03	t-1,3-CL2propen
16	18.275	PP	1582	Invalid	Invalid	1,1,2-CL3ethane
17	18.550	PB	22529	0.04	0.04	CL4ethene
18	22.183	BB	7903	0.08	0.08	bromoform
19	23.325	BP	1074	Invalid	Invalid	1,1,2,2-CL4etha
20	23.683	PB	1103259	8.11	8.11	o-CLtoluene (H)
21	26.183	BB	1638	Invalid	Invalid	1,2-CL2benzene
TOTAL			4175571	18.04	18.04	

000367

~~000361~~ COF 11/15/88

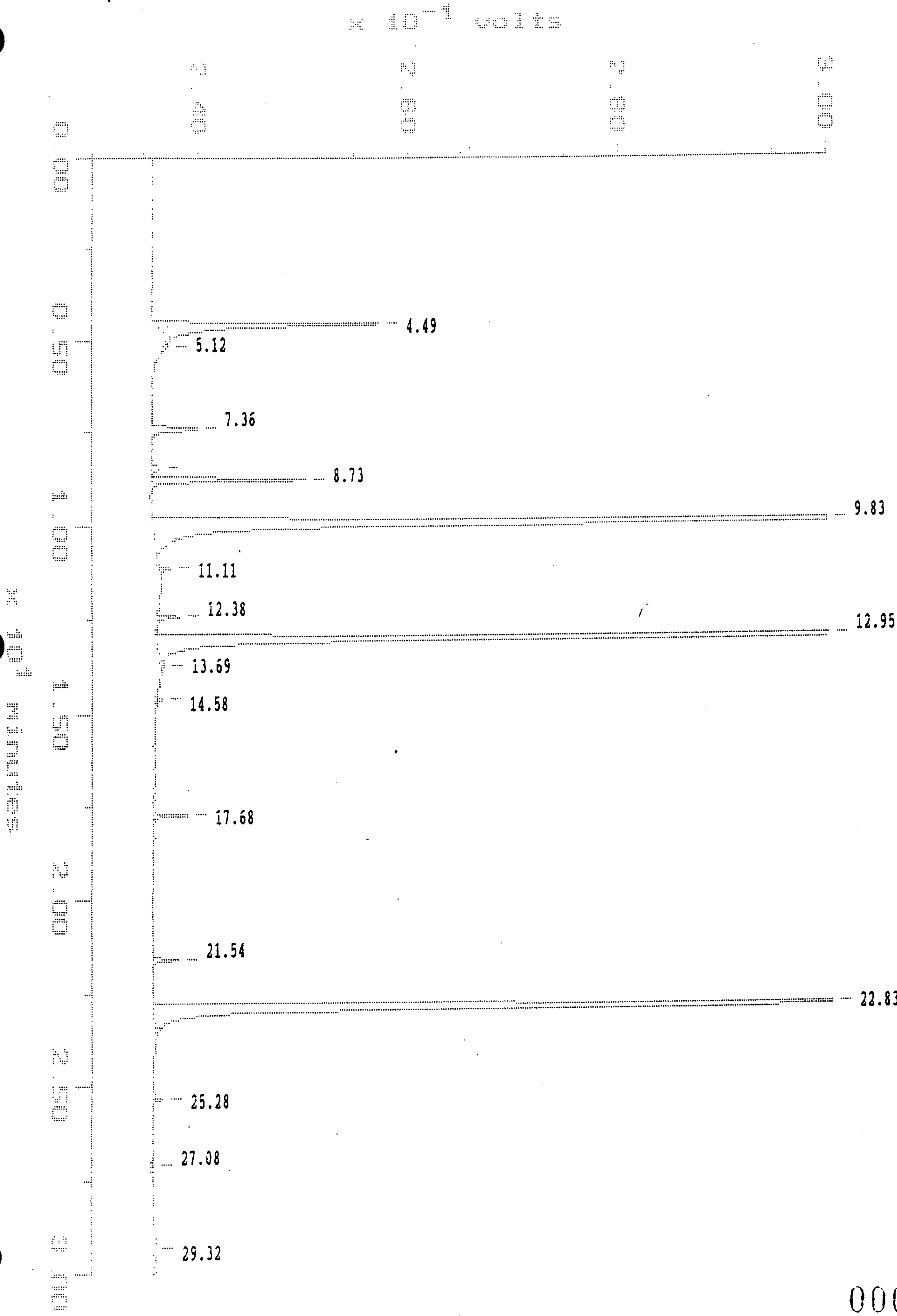
Lots 4471, 4475, 4476, Tedlar bags

Sample: 88885 Channel: PID Col:VOCOL Filename: AB092005
Acquired: 20-SEP-88 10:49 Method: C:\MAX\860\AB_0920 Operator: GWS



000368
~~000362~~ 11/15/88

Sample: 88885 Channel: HALL Col:VOCOL Filename: AB092005
Acquired: 20-SEP-88 10:49 Method: C:\MAX\860\AB_0920 Operator: Scott



000369
~~000363~~ cuf 11/15/88

MAXIMA 820 CUSTOM REPORT

Printed: 7-NOV-1988 12:27:07

SAMPLE: 88885 Type: UNKN

#5 in Method: VOA 860 601/602 Instrument: TRACOR 860

Acquired: 20-SEP-1988 10:49 Filename: AB092005

Rate: 2.0 points/sec Index: 5

Duration: 30.500 minutes

Operator:

DETECTOR: PID Col:VOCOL

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (PPB)	Component Name
1	9.825	BB	259			
2	16.392	BB	747			
3	16.600	BB	789	0.11	0.11	Toluene
4	19.608	BB	353	0.04	0.04	p/m-Xylene
5	22.792	BB	33998	5.27!	5.27!	o-Cltoluene(P)
			36146	5.43!	5.43!	

! Result calculation based on peak response ratio outside of calibration range.

DETECTOR: HALL Col:VOCOL

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (PPB)	Component Name
1	4.492	BB	189642			
2	5.117	BB	2724	0.01	0.01	Chloromethane
3	7.358	BB	36269	0.04	0.04	CL3FLmethane
4	8.408	BP	6595	0.02	0.02	Freon-113
5	8.733	PB	92179	0.10	0.10	1,1-CL2ethene
6	9.833	BB	3330219	2.38!!	2.38!!	CH2CL2
7	11.108	BB	5776	0.01	0.01	1,1-CL2ethane
8	12.375	BB	12562	Invalid	Invalid	Chloroform
9	12.950	BB	852505	1.06!	1.06!	1,1,1-CL3ethane
10	13.692	BB	1267	0.00	0.00	1,2-CL2ethane
11	14.583	BB	3189	0.00	0.00	CL3ethene
12	17.683	BB	14422	0.01	0.01	CL4ethene
13	21.542	BB	11868	0.05	0.05	Bromoform
14	22.825	BB	1541219	4.55	4.55	o-CLtoluene(H)
15	25.283	BB	4864	0.01	0.01	1,4-CL2benzene
16	27.075	BB	1996			

000370

~~000364~~ CF

11/15/88

AB092005

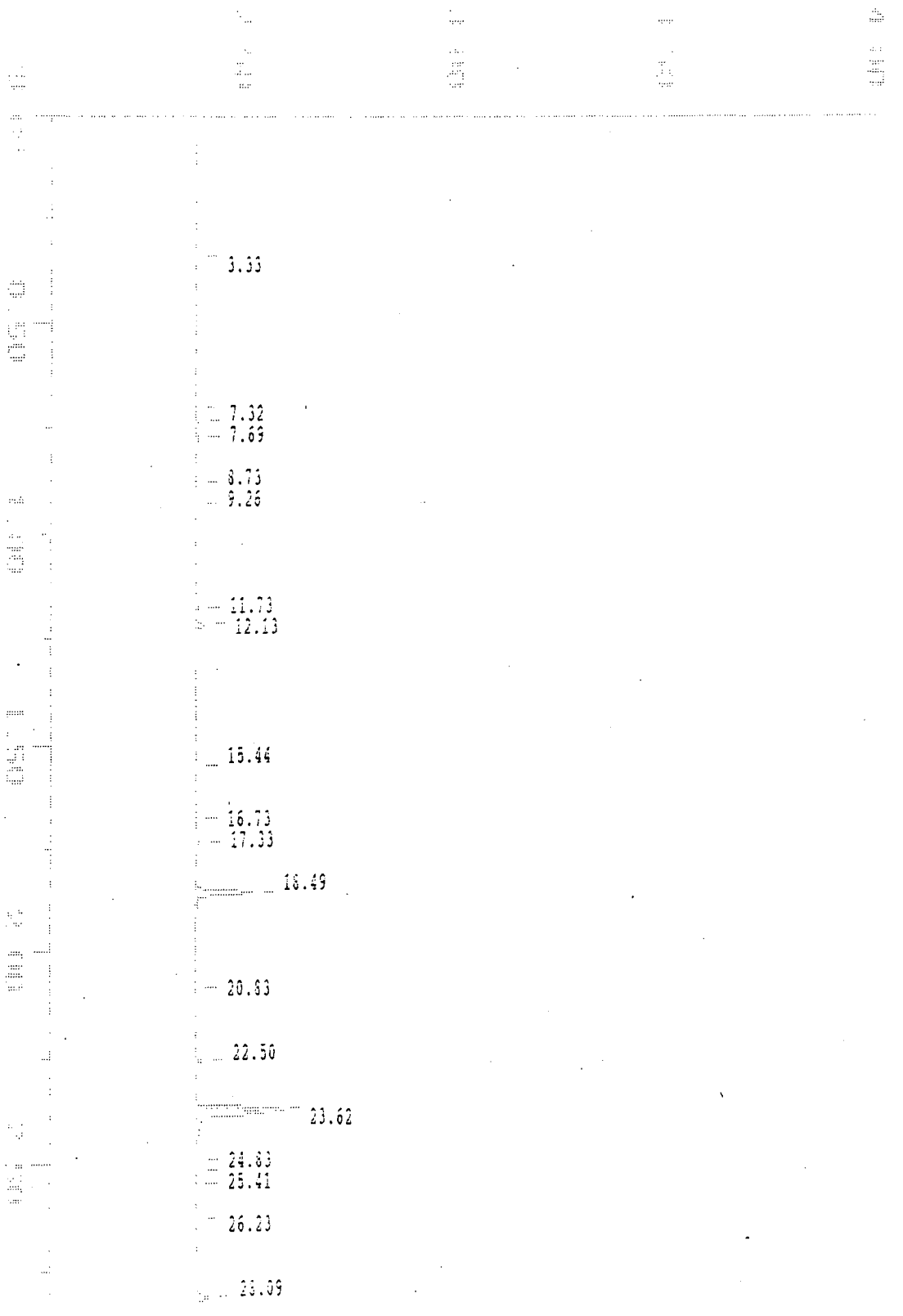
17	29.317	BB	11845		
TOTAL			6119142	8.23!:	8.23!:

!! Result calculation based on peak response more than 10% outside of calibration range.
! Result calculation based on peak response ratio outside of calibration range.

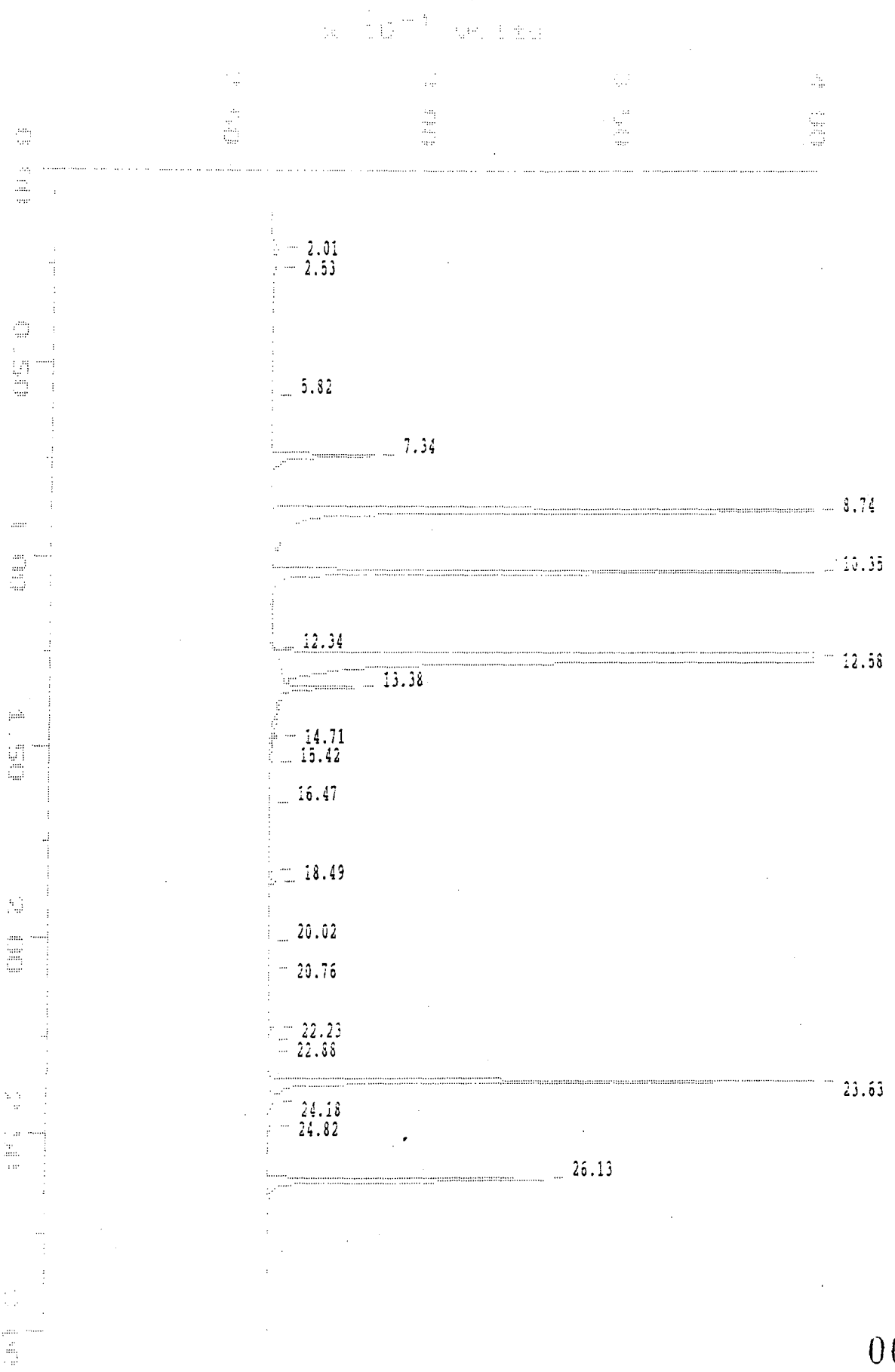
000371 CF
~~000365~~ 11/15/88

LMS # 7330, 7347

Sample: 88892 0.31 G Channel: PID Col:DB-624 Filename: AA092018
Acquired: 20-SEP-88 21:43 Method: C:\MAA\1194\AA_0920 Operator: GBS
Dilution: 1 : 16.130



Sample: 88892 0.31 G Channel: HALL Col:DB-624 Filename: AA092818
Acquired: 20-SEP-88 21:48 Method: C:\MAX\1194\AA_3920 Operator: GBS
Dilution: 1 : 16.130



MAXIMA 820 CUSTOM REPORT

Printed: 8-NOV-1988 15:00:48

SAMPLE: 38892 0.31 G
#18 in Method: WOA 601/602 Tracor 1194
Acquired: 20-SEP-1988 21:48
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: UNKN
Instrument: TRACOR 1194
Filename: AA092018
Index: Disk

Dilution: 16.130

DETECTOR: PID Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	3.333	BB	2192			
2	6.956	BB	993			
3	7.317	BB	3598			
4	7.692	BB	6136			
5	8.725	BB	890			
6	9.258	BB	2473			
7	11.725	BB	3239			
8	12.133	BB	12757			
9	15.442	BB	1406			
10	16.725	BB	696			
11	17.325	BB	4290	0.27	4.33	toluene
12	18.492	BB	107913			
13	20.825	BB	986	0.18	2.94	p/m-xylene
14	22.500	BB	7224			
15	23.617	BP	94459	5.87	94.76	o-CLtoluene (P)
16	23.733	PB	123250			
17	24.825	BP	1397			
18	25.083	BB	1103			
19	25.408	PB	2300			
20	26.233	BB	1025			
21	28.092	BB	21995			
22	30.442	BB	2840			
TOTAL			403159	6.33	102.02	

DETECTOR: HALL Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.008	BP	20748			

2	2.525	PB	9522			
3	5.817	BB	5210	0.06	1.02	CL3FLmechane
4	7.342	BB	196037	1.03	16.65	1,1-CL2ethene
5	8.742	BB	2132534	6.50	104.87	CH2CL2
6	10.350	BB	960135	3.59	57.92	1,1-CL2ethane
7	12.342	BB	1987	Invalid	Invalid	chloroform
8	12.575	BB	19081010	79.68!!	1285.31!!	1,1,1-CL3ethane
9	13.383	BB	33257	0.08	1.34	1,2-CL2ethane
10	14.708	BB	11935	0.04	0.68	CL3ethene
11	15.417	BB	2738			
12	16.467	BB	856	0.02	0.29	c-1,3-CL2propen
13	18.200	BP	1653	Invalid	Invalid	1,1,2-CL3ethane
14	18.492	PB	12085	0.01	0.13	CL4ethene
15	20.017	BP	1783			
16	20.758	PB	886			
17	22.233	BP	5662	0.08	1.23	bromoform
18	22.583	PP	588			
19	22.875	PB	1362			
20	23.625	BB	883314	6.49	104.69	o-CLtoluene (H)
21	24.175	BB	2180			
22	24.817	BB	3887			
23	26.133	BB	444986	1.97	31.80	1,2-CL2benzene
TOTAL			23814357	99.56!!	1605.93!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

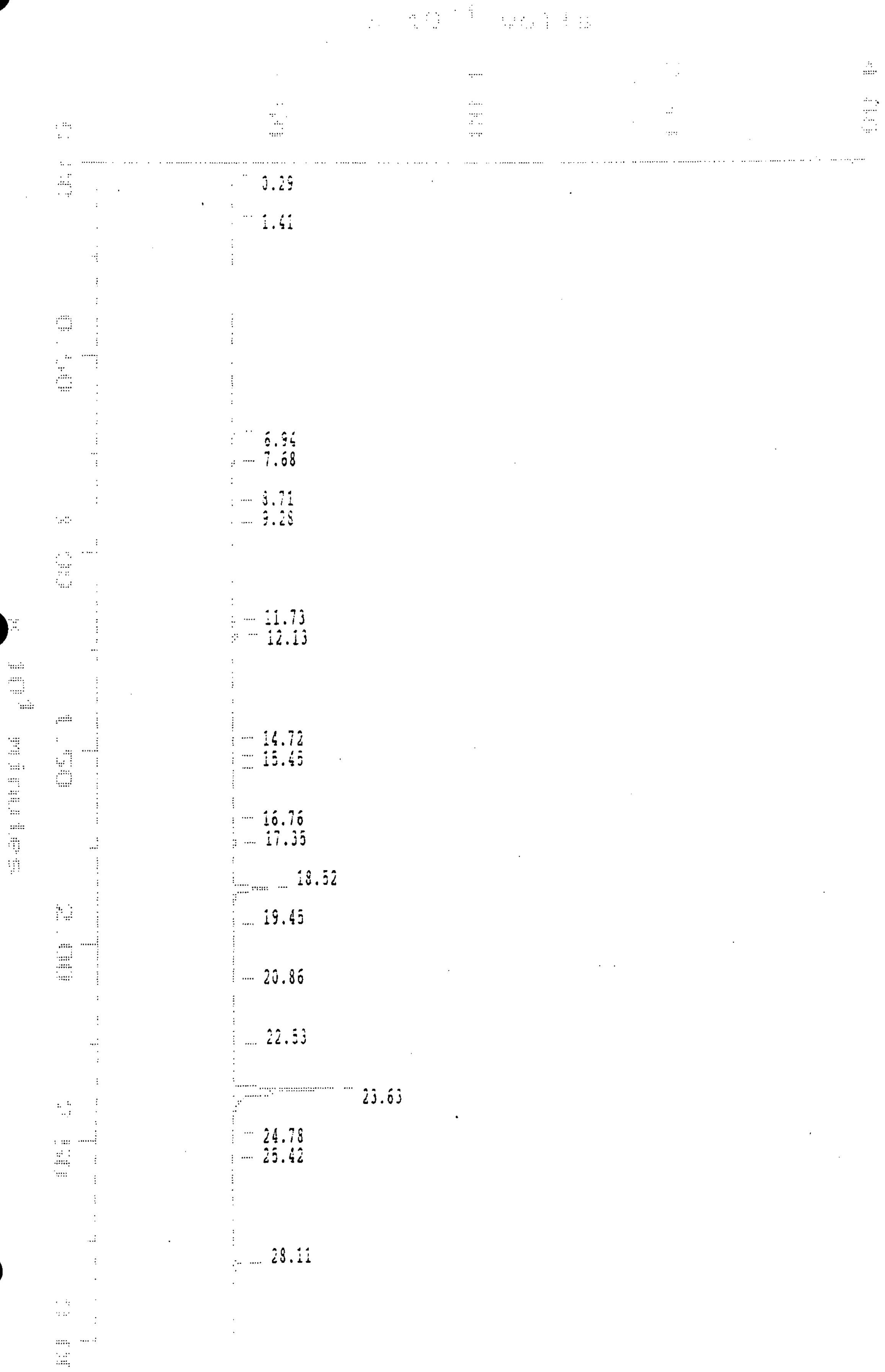
Rep of LMS 1334, 1311

Replicate

Sample: 88892 0.13 G   Channel: FID Col:DB-624   Filename: AA092019

Acquired: 20-SEP-88 22:28   Method: C:\MAX\1194\AA_0920   Operator: GBS

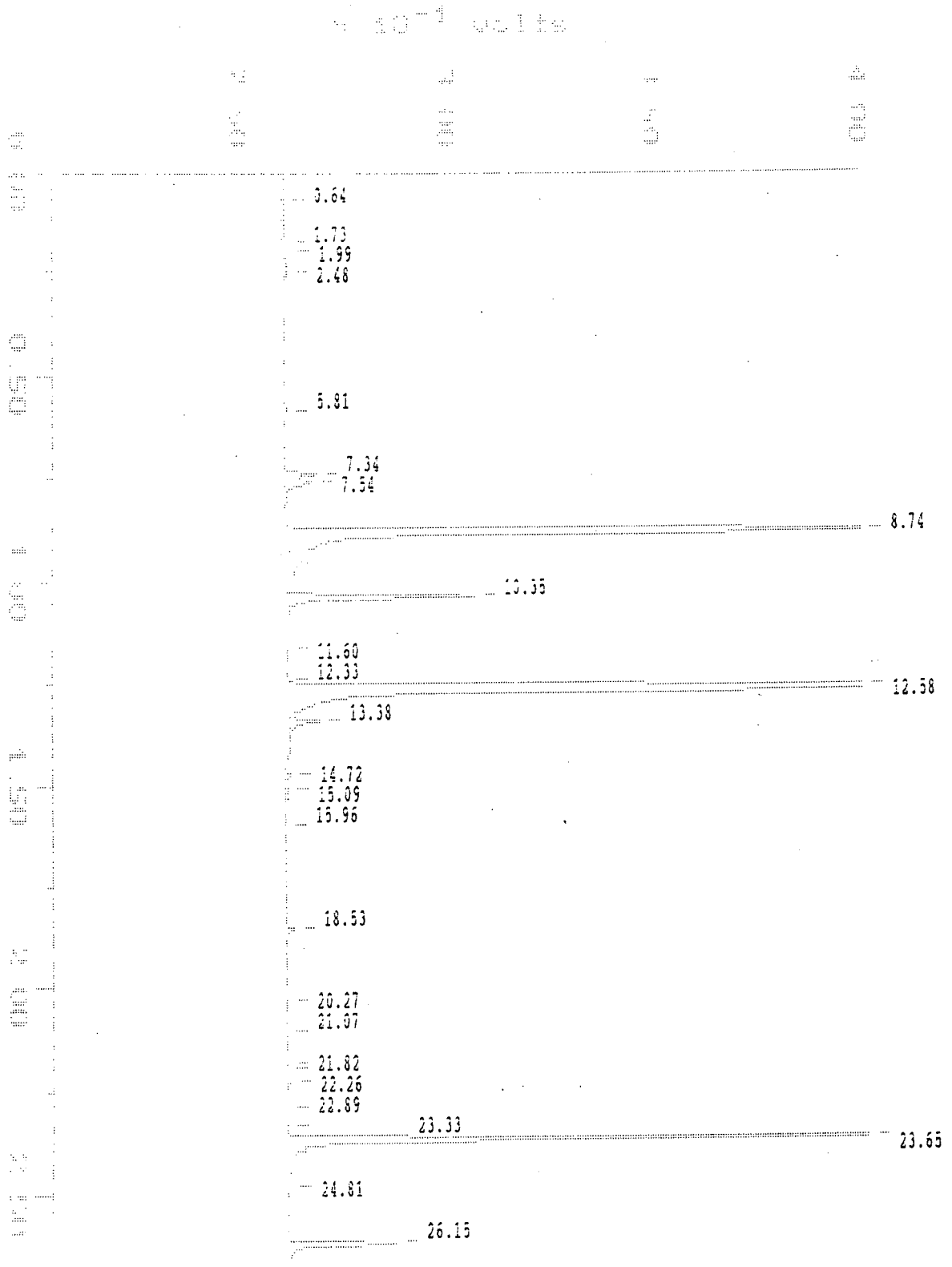
Dilution: 1 : 38.460



000376

Replicate

Sample: 38892 0.13 G Channel: HALL Col:DB-624 Filename: AA092019
Acquired: 20-SEP-88 22:28 Method: C:\MAX\1194\AA_0920 Operator: GBS
Dilution: 1 : 38.460



MAXIMA 820 CUSTOM REPORT

Printed: 6-NOV-1988 15:08:38

SAMPLE: 38892 0.13 G Replicate
#19 in Method: VOA 601/602 Tracor 1194
Acquired: 20-SEP-1988 22:28
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: UNKN
Instrument: TRACOR 1194
Filename: AA092019
Index: Disk

Dilution: 38.460

DETECTOR: PID Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	0.292	DP	10233			
2	1.408	PB	1101			
3	6.942	BB	2525			
4	7.675	BB	5369			
5	8.708	BP	1737			
6	9.283	PB	1464			
7	11.725	BP	5052			
8	12.125	PB	8445			
9	14.717	BP	2300			
10	15.183	PP	2206			
11	15.450	PB	2691			
12	16.758	BB	479			
13	17.350	BB	3886	0.24	9.40	toluene
14	18.517	BB	66776			
15	19.450	BB	3957			
16	20.858	BB	1153	0.19	7.32	p/m-xylene
17	22.533	BB	2087			
18	23.633	BB	207965	12.93!!	497.43!!	o-Chtoluene (P)
19	24.783	BP	1075			
20	25.417	PB	1010			
21	28.108	BB	15368			
TOTAL			346879	13.37!!	514.15!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

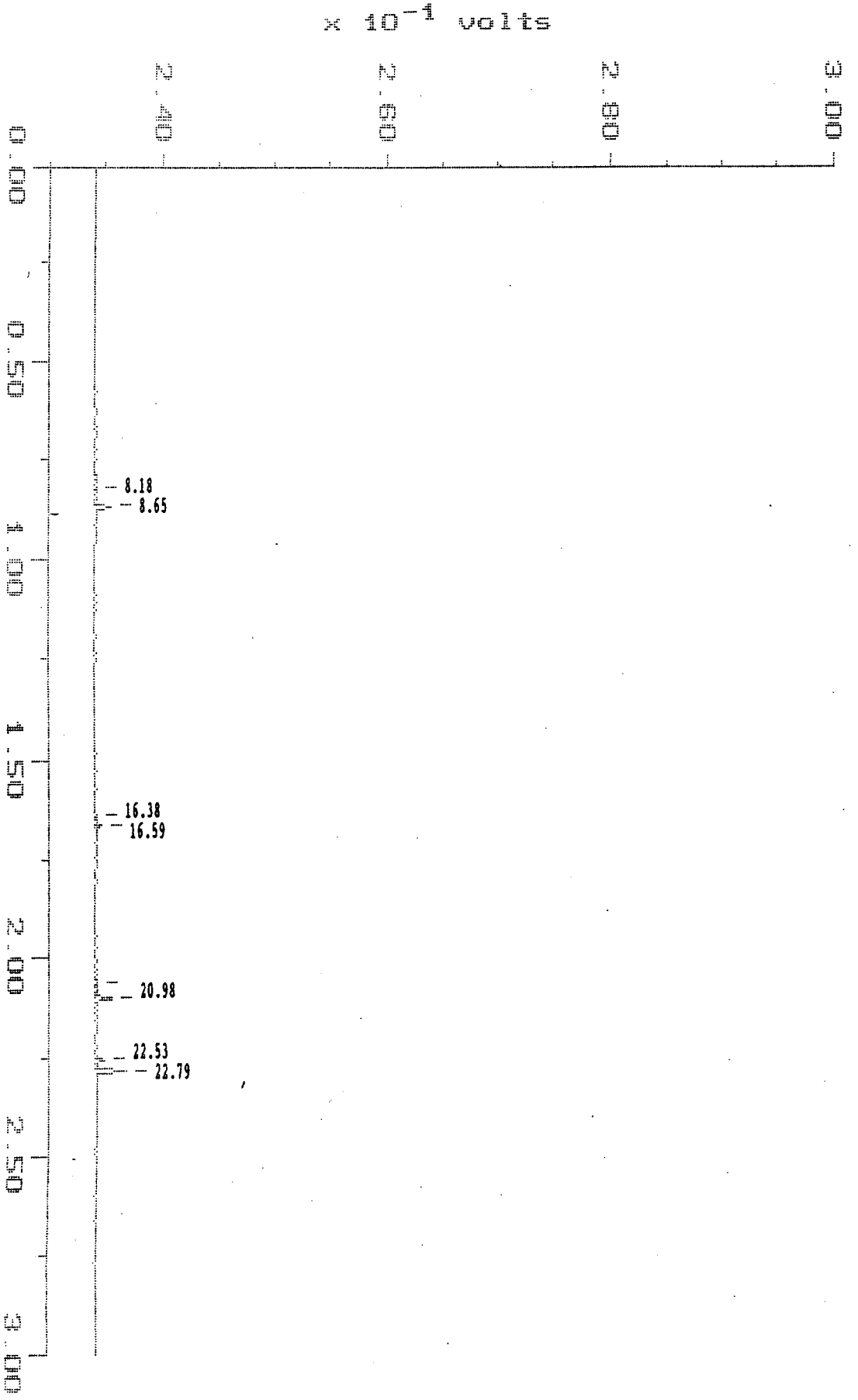
DETECTOR: HALL Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name

1	0.642	DP	16757			
2	1.725	PP	1401			
3	1.992	PP	19289			
4	2.483	PB	7504			
5	5.808	BB	3868	0.06	2.21	CL3FLmethane
6	7.342	BP	55059	0.30	11.68	1,1-CL2ethene
7	7.542	PB	77777	0.57	22.01	~~Freon 113~~ GBS
8	8.742	BB	2456063	7.62	293.08	CH2CL2
9	10.350	BP	316378	1.19	45.92	1,1-CL2ethane
10	11.600	PB	964	Invalid	Invalid	c-1,2-CL2ethene
11	12.333	BP	1545	Invalid	Invalid	chloroform
12	12.575	PP	6310798	26.35!!	1013.28!!	1,1,1-CL3ethane
13	13.383	PB	51001	0.15	5.63	1,2-CL2ethane
14	14.717	BP	6753	0.03	0.97	CL3ethene
15	15.092	PB	8052	0.05	1.92	1,2-CL2propane
16	15.958	BB	1351	Invalid	Invalid	BRCL2methane
17	18.525	BB	10961	0.01	0.20	CL4ethene
18	20.267	BB	1429	0.02	0.75	chlorobenzene
19	21.067	BB	744			
20	21.817	BP	694			
21	21.942	PP	772			
22	22.258	PP	3859	0.06	2.48	bromoform
23	22.892	PB	1795			
24	23.333	BB	699	Invalid	Invalid	1,1,2,2-CL4etha
25	23.650	BB	1125002	8.27	317.92	o-CLtoluene (H)
26	24.808	BB	935			
27	26.150	BB	159267	0.70	26.91	1,2-CL2benzene
TOTAL			10640715	45.37!!	1744.97!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

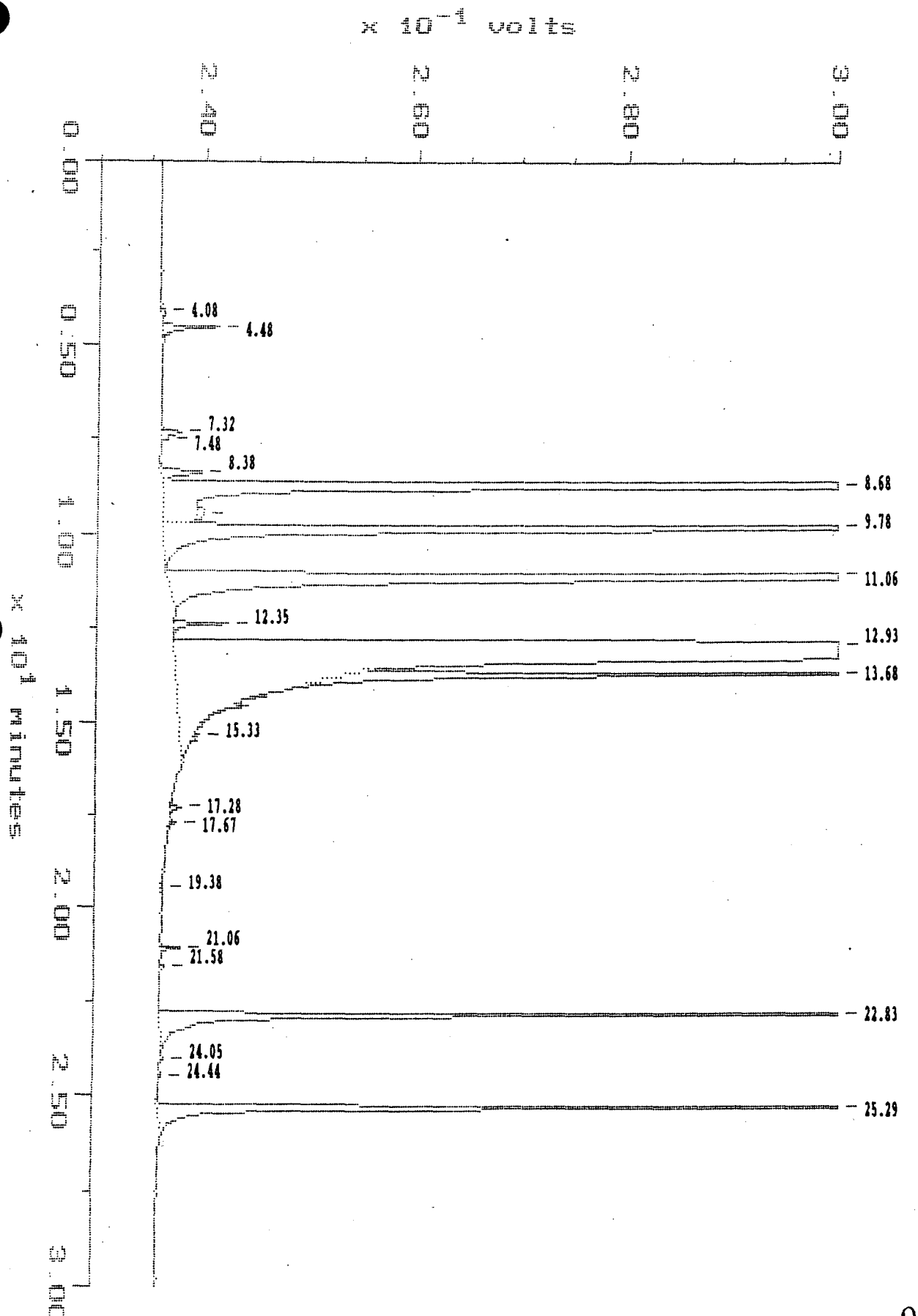
Sample: 88892 1.12 G Channel: PID Col:VOCOL Filename: AB092006
Acquired: 20-SEP-88 16:44 Method: C:\MAX\860\AB_0920 Operator: GBS
Dilution: 1 : 4.464



Sample: 88892 1.12 G
Acquired: 20-SEP-88 16:44
Dilution: 1 : 4.464

Channel: HALL Col:VOCOL
Method: C:\HAX\860\AB_0920

Filename: AB092006
Operator: GBG



000381

MAXIMA 820 CUSTOM REPORT

Printed: 9-NOV-1988 14:32:50

SAMPLE: 88892 1.12 G
#5 in Method: VOA 860 601/602
Acquired: 20-SEP-1988 16:44
Rate: 2.0 points/sec
Duration: 30.500 minutes
Operator:

Type: UNKN
Instrument: TRACOR 860
Filename: AB092006
Index: Disk

Dilution: 4.464

DETECTOR: PID Col:VOCOL

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (PPB ug/kg)	Component Name
1	8.183	BB	1024			
2	8.650	BB	6635			
3	16.383	BP	529			
4	16.592	PB	2325	1.35	6.04	Toluene
5	20.600	BB	890	0.61	2.72	o-Xylene
6	20.983	BB	7959	4.31!	19.23!	Styrene
7	22.533	BP	3639			
8	22.792	PB	12671	1.98 79.2%	8.84	o-Chtoluene(P) 79.2% recovery
TOTAL			35671	8.25!	36.84!	

! Result calculation based on peak response ratio outside of calibration range.

DETECTOR: HALL Col:VOCOL

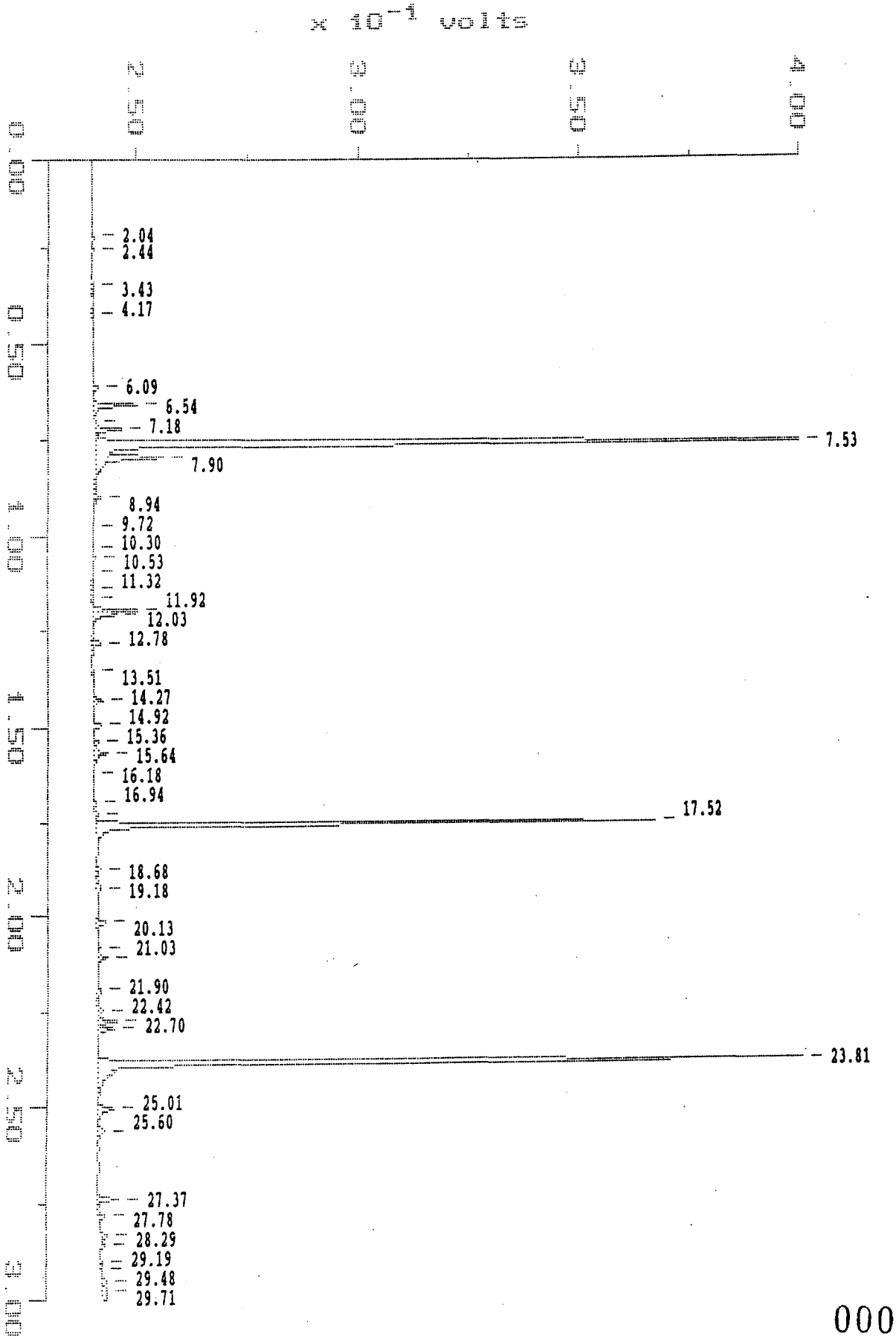
PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (PPB ug/kg)	Component Name
1	4.075	BB	2527			
2	4.483	BB	37075			
3	7.317	BB	17155	0.07	0.33	CL3FLmethane
4	7.475	SS	1030			
5	8.375	BP	36079	0.47	2.12	Freon-113
6	8.683	PP	2686699	11.30!!	50.45!!	1,1-CL2ethene
7	9.467	SS	13895			
8	9.775	PP	2148680	6.13!!	27.37!!	CH2CL2
9	11.058	PB	6624857	27.76!!	123.90!!	1,1-CL2ethane
10	12.350	BP	29075	0.09	0.41	Chlorofora
11	12.925	PB	>76319496	>378.05!!	>1687.62!!	1,1,1-CL3ethane
12	13.683	SS	535771	2.64	11.78	1,2-CL2ethane
13	15.325	SS	2169	0.01	0.04	BRCL2methane

14	17.275	BP	6187	0.03	0.15	1,1,2-CL3ethane	
15	17.667	PB	4106	0.01	0.06	CL4ethene	
16	19.383	BB	1451	0.02	0.07	Chlorobenzene	
17	21.058	BB	10959				
18	21.583	BB	2428	0.04	0.18	Bromoform	
19	22.825	BB	593310	1.75	7.81	o-CLtoluene(H)	70% recovery
20	24.050	BB	1214				
21	24.442	BB	1328				
22	25.292	BB	611209	4.96!!	22.14!!	1,4-CL2benzene	
TOTAL			13367204	55.29!!	246.81!!		

!! Result calculation based on peak response more than 10% outside of calibration range.

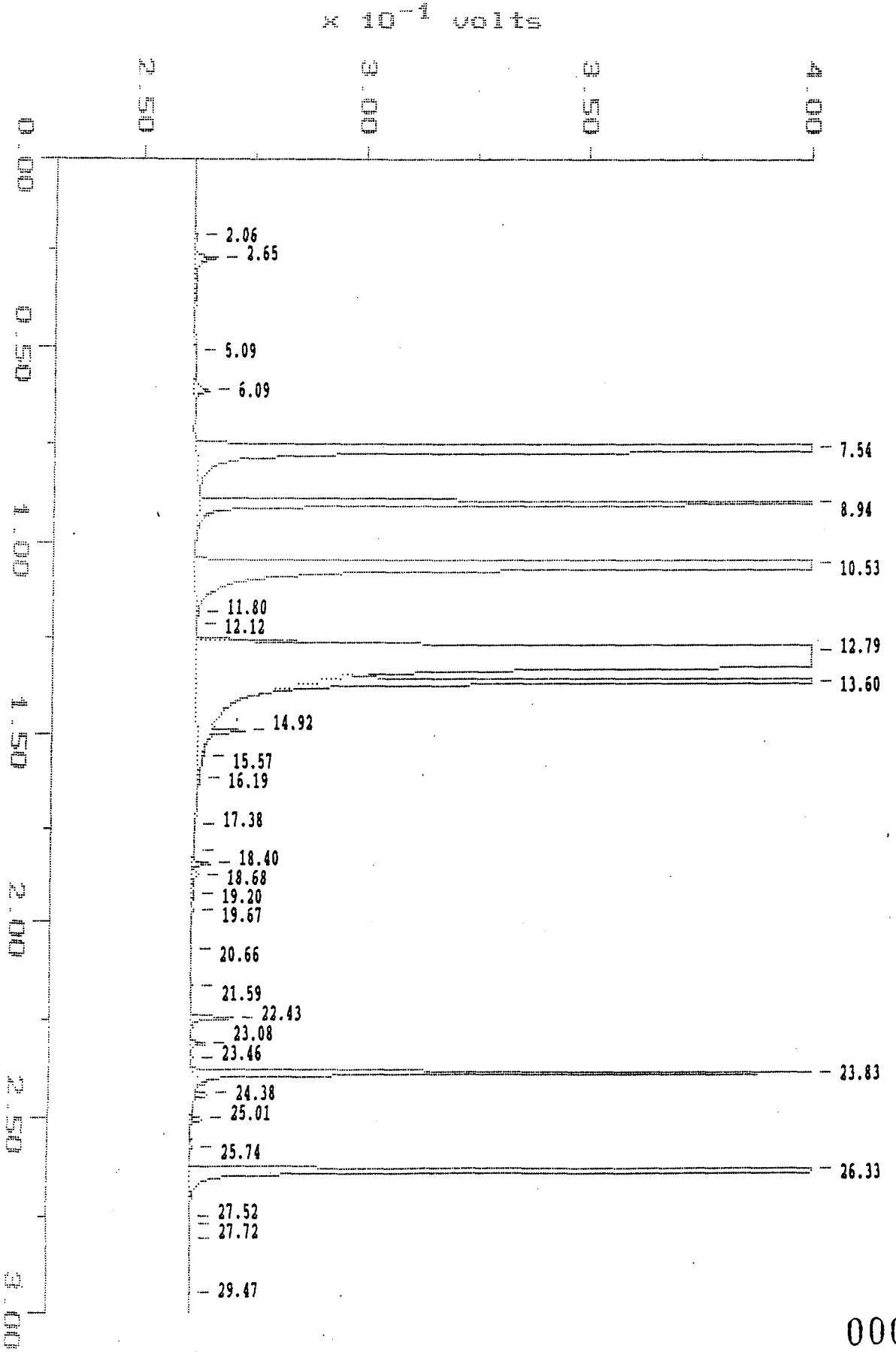
LMS# 7342, 7355

Sample: 88893 0.99 G Channel: PID Col:DB-624 Filename: AA092808
Acquired: 28-SEP-88 21:51 Method: C:\MAX\1194\AA0928MA Operator: GBS
Dilution: 1 : 5.050



000384

Sample: 88893 0.99 G Channel: HALL Col:DB-624 Filename: AA092808
Acquired: 28-SEP-88 21:51 Method: C:\MAX\1194\AA0928MA Operator: GBJ
Dilution: 1 : 5.050



MAXIMA 820 CUSTOM REPORT

Printed: 27-OCT-1988 15:43:54

SAMPLE: 88893 0.99 G
#7 in Method: TRACOR 1194 - PROCESSING - SPEC
Acquired: 28-SEP-1988 21:51
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: UNKN
Instrument: TRACOR 1194
Filename: AA092808
Index: Disk

Dilution: 5.050

DETECTOR: PID Col:DB-624

Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/KG)	Component Name
2.042	0.086	BP	128	1597			
2.442	0.103	PB	287	1523			
3.433	0.144	BB	440	4634	0.29	1.49	Vinyl Chlorid P
4.167	0.175	BB	175	1142			
6.092	0.256	BP	1346	10614			
6.542	0.275	PB	9923	61984			
6.992	0.294	BP	269	1255			
7.175	0.301	PB	6109	38859	Invalid	Invalid	Diethyl Ether
7.525	0.316	BB	318134	1996841	37.17!!	187.69!!	1,1-CL2ethene P
7.900	0.332	SS	12616	87471	2.22	11.22	~~Acetone~~ CB?
8.942	0.376	SS	1209	7153			
9.717	0.408	BB	217	3340	0.08	0.41	t-12-Cl2eten P
10.300	0.433	BP	346	4174			
10.525	0.442	PP	908	7160			
10.933	0.459	PB	226	1370			
11.317	0.475	BP	402	2973			
11.575	0.486	PB	412	3910			
11.917	0.501	BP	10048	57318			
12.025	0.505	PB	5279	33652	Invalid	Invalid	MEK
12.775	0.537	BB	1895	18164			
13.508	0.567	BB	489	2745	0.08	0.41	Benzene
14.267	0.599	BB	2053	14492			
14.917	0.627	BP	1678	12580	0.13	0.66	CL3ethene P
15.358	0.645	PP	1110	7242			
15.642	0.657	PP	3035	26448			
16.175	0.679	PB	174	1014			
16.942	0.712	BP	637	3539	0.17	0.85	c-13-CL2prpen P
17.225	0.723	PP	765	4236	3.31	16.73	MIBK
17.517	0.736	PB	125753	663561	3.59	18.14	Toluene
18.683	0.785	BP	739	6143	0.07	0.37	CL4ethene P
19.183	0.806	PB	855	7778			
20.125	0.845	BB	2037	13205			
20.767	0.872	BP	530	3118	0.06	0.32	Ethylbenzene
21.033	0.883	PB	2118	15619	0.06	0.29	p/m-Xylene

21.900	0.920	BP	827	8971	0.13	0.67	o-Xylen/Styrene
22.417	0.942	PP	1074	7542			
22.700	0.953	PP	4213	26136	0.24	1.20	Cumene
22.908	0.962	PB	3537	21147			
23.808	1.000	BB	246049	1266008	8.88	44.83	o-CLtoluene P
25.008	1.050	BP	3495	33836			
25.600	1.075	PB	1434	16766	0.17	0.85	13-CL2benzene P
27.367	1.149	BB	4597	29780			
27.775	1.167	BP	1503	8919			
28.292	1.188	PP	1400	9043			
28.533	1.198	PP	1086	5686			
28.983	1.217	PP	218	2463			
29.192	1.226	PP	262	1942			
29.475	1.238	PP	902	6172			
29.708	1.248	PP	755	9856			
30.142	1.266	PP	780	5901			
30.767	1.292	PB	727	11449			
TOTAL			785203	4598470	56.66!!	286.12!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

DETECTOR: HALL Col:DB-624

Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/KG)	Component Name
2.058	0.086	BP	318	992			
2.650	0.111	PB	5009	65957	~~0.82~~	~~4.16~~	~~CL2FL2methane~~ SBS
5.092	0.214	BB	179	782	0.05	0.23	Chloroethane
6.092	0.256	BB	3263	34017	0.16	0.80	CL3FLmethane
7.542	0.317	BP	1155833	8209102	33.37!!	168.51!!	1,1-CL2ethene H
8.942	0.375	PP	299761	1873541	0.81	4.11	CH2CL2
10.533	0.442	PP	2334216	15693283	56.93!!	287.49!!	1,1-CL2ethane
11.800	0.495	SS	480	3259	0.04	0.20	c-12-CL2etene H
12.117	0.509	SS	361	2533			
12.542	0.526	PP	19604	93427	0.24	1.19	Chloroform
12.792	0.537	PB	>9737793	>136345216	>510.20!!	>2576.53!!	1,1,1-CL3ethane
13.600	0.571	SS	269656	1646430	5.71	28.83	1,2-CL2ethane
14.917	0.626	SS	7967	52137	0.15	0.77	CL3ethene H
15.567	0.653	SS	387	2013			
16.192	0.680	SS	284	2271	0.03	0.13	BRCL2methane
17.375	0.729	BP	138	4525			
18.058	0.758	PP	196	2425	0.03	0.15	t-13-CL2prpen H
18.400	0.772	PP	3824	25979	0.09	0.45	1,1,2-CL3ethane
18.675	0.784	PB	1273	11528	0.04	0.18	CL4ethene H
19.200	0.806	SS	124	1194	0.03	0.17	BR2CLmethane

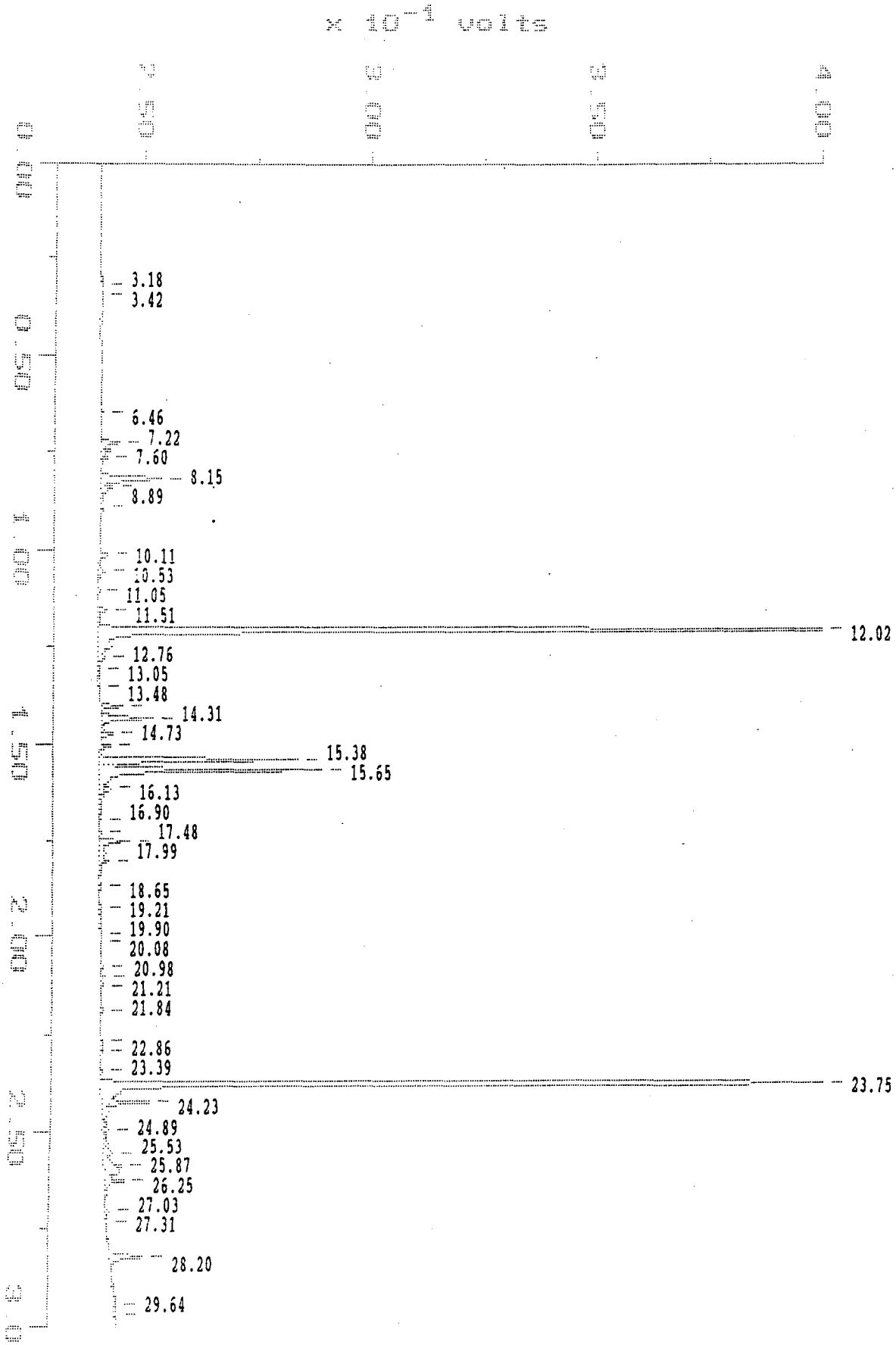
AA092801

19.667	0.825	BB	196	1566			
20.658	0.867	BB	205	3141	0.12	0.61	Chlorobenzene H
21.592	0.906	BP	260	2630			
22.425	0.941	PP	9630	70900	0.51	2.58	Bromoform
23.075	0.969	PP	3238	22792			
23.458	0.985	PB	466	2712	0.02	0.11	1,1,2,2-CL4etha
23.825	1.000	BB	149360	880136	8.71	43.99	o-CLtoluene H
24.375	1.023	BB	3151	13297			
25.008	1.050	SS	2747	18467			
25.742	1.080	BP	455	7565	0.07	0.37	14-CL2benzene H
26.333	1.105	PP	262542	1665651			
27.517	1.155	SV	234	3486			
27.717	1.163	VS	160	802			
28.058	1.178	PB	137	1407			
29.467	1.237	BB	132	1254			
TOTAL			4535785	30421201	107.93!!	545.02!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

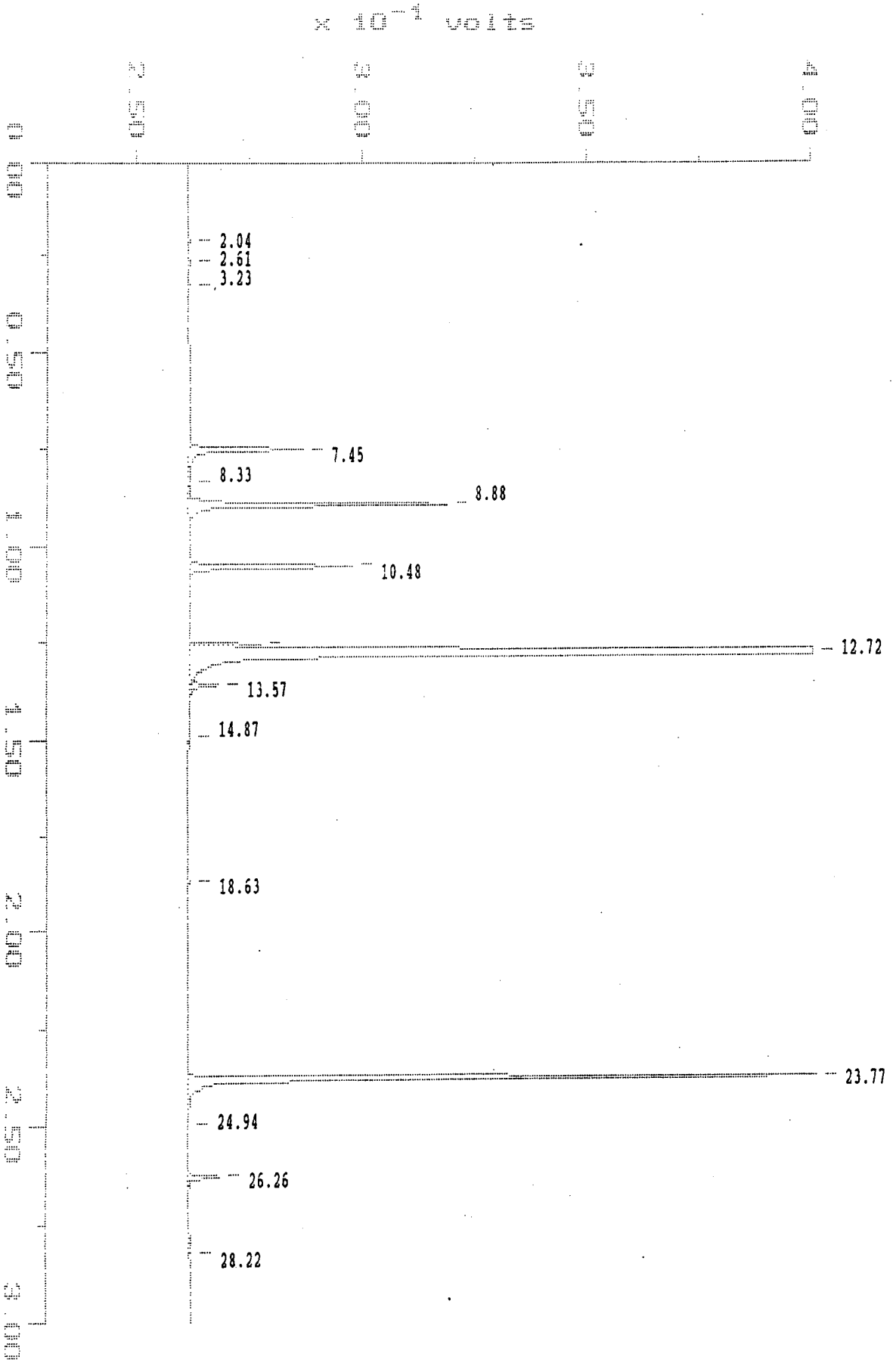
EMS 7342, 7352

Sample: 88893SOIL Channel: PID Col:DB-624 Filename: AA092908
Acquired: 29-SEP-88 13:59 Method: C:\MAX\1194\AA0929MA Operator:
Dilution: 1 : 862.100



000389

Sample: 88893SOIL Channel: HALL Col:DB-624 Filename: AA092908
Acquired: 29-SEP-88 13:59 Method: C:\MAX\1194\AA0929MA Operator:
Dilution: 1 : 862.100



000390

MAXIMA 820 CUSTOM REPORT

Printed: 15-NOV-1988 10:21:32

SAMPLE: 88893SOIL
#8 in Method: TRACOR 1194 - PROCESSING - SPEC
Acquired: 29-SEP-1988 13:59
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: UNKN
Instrument: TRACOR 1194
Filename: AA092908
Index: Disk

Dilution: 862.100

DETECTOR: PID Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	3.183	BP	4128			
2	3.417	PB	1670	0.09	77.53	Vinyl Chlorid P
3	6.458	BB	3569			
4	7.217	BP	46684	Invalid	Invalid	Diethyl Ether
5	7.600	PP	15962	0.25	212.76	1,1-CL2ethene P
6	8.150	PP	117567			
7	8.358	PB	45883			
8	8.892	SS	1469			
9	10.108	BP	14736			
10	10.533	PB	7255			
11	11.050	BB	693			
12	11.508	BP	11404	0.41	353.72	c-12-CL2etene P
13	12.017	PP	1665957	27.37	23596.01	MEK
14	12.758	SS	3694			
15	13.050	SS	3198			
16	13.475	PP	2042	Invalid	Invalid	Benzene
17	13.992	PP	25738			
18	14.308	PP	80751			
19	14.725	PP	19119	0.24	203.79	CL3ethene P
20	15.033	PP	12358			
21	15.383	PP	275323			
22	15.650	PP	344169			
23	16.133	SS	11407			
24	16.900	SS	850	0.08	65.39	c-13-CL2prpen P
25	17.242	PP	1754	0.46	392.99	MIBK
26	17.475	PP	57926	0.32	275.26	Toluene
27	17.992	PP	19389	0.40	341.37	t-13-CL2prpen P
28	18.650	PP	7520	0.10	84.30	CL4ethene P
29	19.208	PP	5512			
30	19.900	PP	1971			
31	20.083	PP	4803			
32	20.717	PP	3349	0.08	66.13	Ethylbenzene
33	20.983	PP	5682	0.05	43.29	p/m-Xylene
34	21.208	PB	2832			

AA092908

35	21.842	BB	2545	0.11	98.01	o-Xylen/Styrene
36	22.650	BP	2112	0.06	49.21	Cumene
37	22.858	PP	2737			
38	23.392	PP	1071			
39	23.750	PP	1351135	9.98	8601.62	o-CLtoluene P
40	24.225	SS	45496			
41	24.892	SS	9384			
42	25.525	PP	18683	0.23	200.36	13-CL2benzene P
43	25.867	PP	72165			
44	26.250	PP	38857			
45	27.033	PP	4295			
46	27.308	PP	1631			
47	28.200	PP	63882			
48	29.425	PP	15648			
49	29.642	PB	7748			
			---	---	---	
TOTAL			4463756	40.21	34661.74	

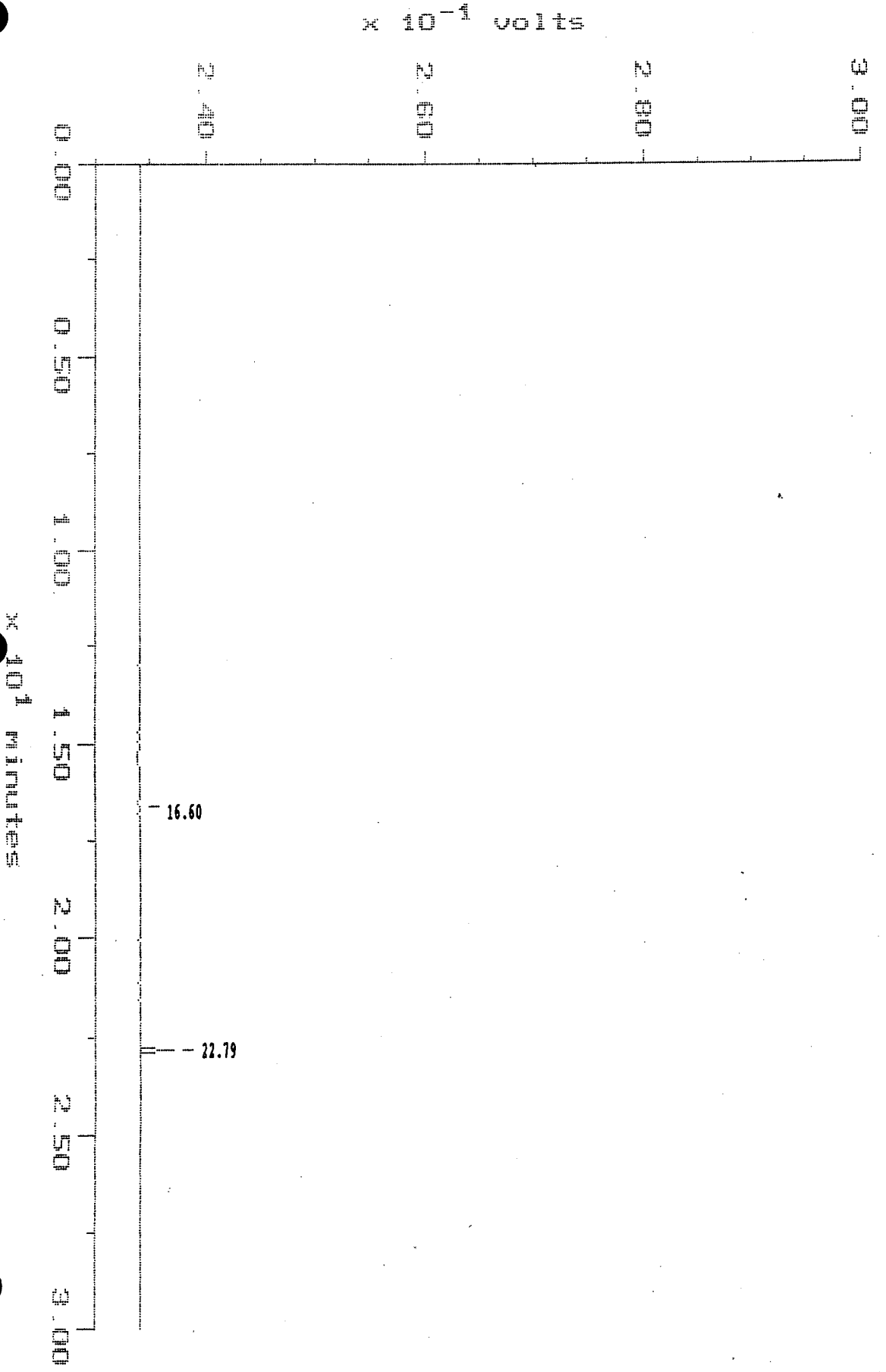
DETECTOR: HALL Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.042	BP	5132			
2	2.608	PP	4798	0.10	88.39	CL2FL2methane
3	3.225	PB	2609	0.05	43.63	Chloromethane
4	7.450	BP	195429	0.80	692.66	1,1-CL2ethene H
5	8.333	SS	2985			
6	8.883	PB	367923	0.92	795.98	CH2CL2
7	10.483	BB	238642	0.89	767.43	1,1-CL2ethane
8	12.517	BP	82603	0.23	195.00	Chloroform
9	12.717	PB	5958627	23.07!!	19887.24!!	1,1,1-CL3ethane
10	13.567	SS	33216	0.12	99.84	1,2-CL2ethane
11	14.867	BB	2464	Invalid	Invalid	CL3ethene H
12	18.633	BB	4661	Invalid	Invalid	CL4ethene H
13	23.767	BB	934816	9.95	8579.07	o-CLtoluene H
14	24.942	BB	1438			
15	26.258	BB	40361			
16	28.217	BB	3698			
			---	---	---	
TOTAL			7879402	36.13!!	31149.24!!	

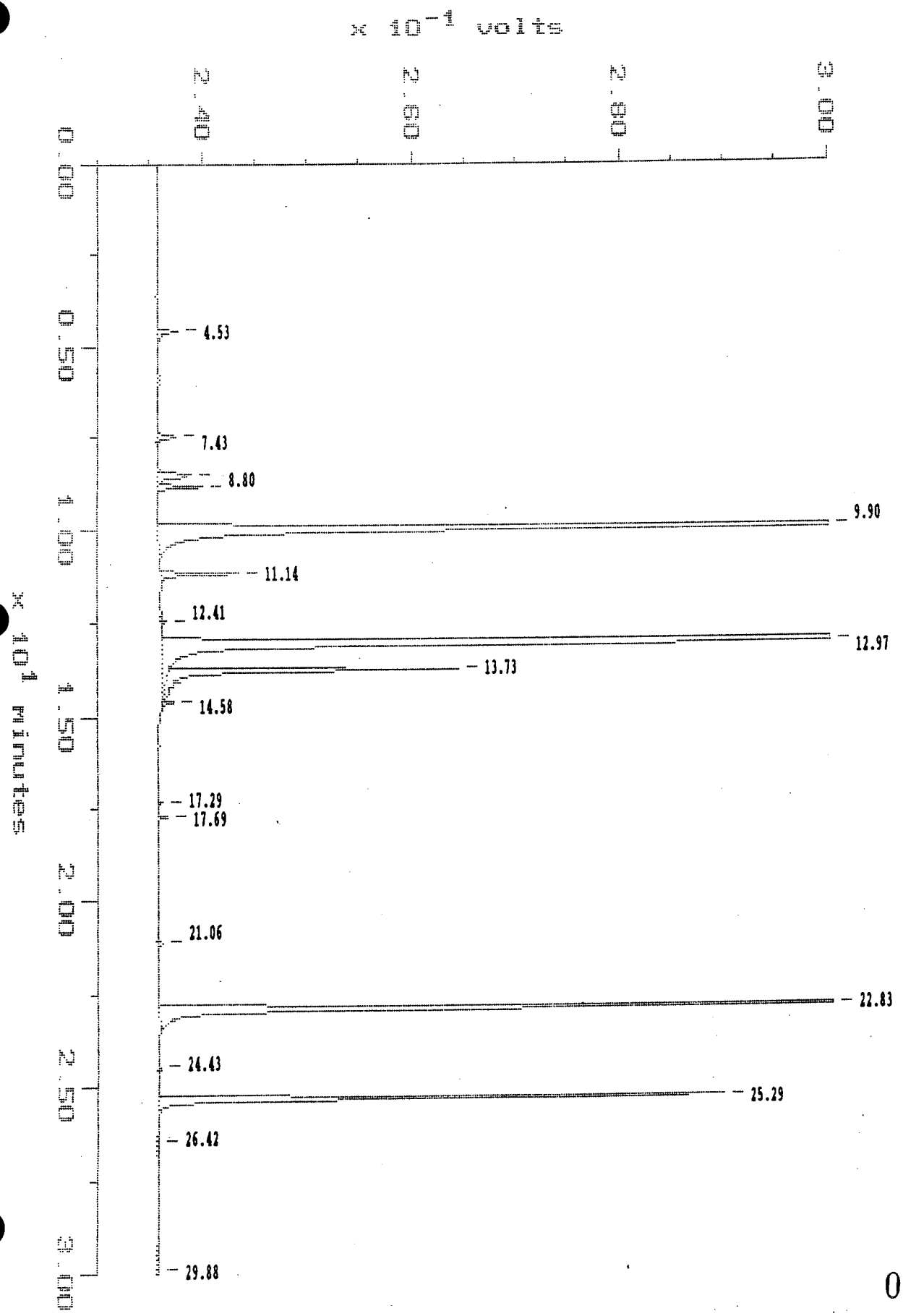
!! Result calculation based on peak response more than 10% outside of calibration range.

LMS # 7342, 7352

Sample: 88893 1.18 G Channel: PID Col:VOCOL Filename: AB092008
Acquired: 20-SEP-88 18:30 Method: C:\MAX\860\AB_0920 Operator: BES
Dilution: 1 : 4.237



Sample: 88893 1.18 G Channel: HALL Col:VOCOL Filename: AB092008
Acquired: 20-SEP-88 18:30 Method: C:\MAX\860\AB_0920 Operator: OBS
Dilution: 1 : 4.237



MAXIMA 820 CUSTOM REPORT

Printed: 9-NOV-1988 14:35:45

SAMPLE: 88893 1.18 G
47 in Method: VOA 860 601/602
Acquired: 20-SEP-1988 18:30
Rate: 2.0 points/sec
Duration: 30.500 minutes
Operator:

Type: UNKN
Instrument: TRACOR 860
Filename: AB092008
Index: Disk

Dilution: 4.237

DETECTOR: PID Col:VOCOL

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (~~PPB~~ ug/kg)	Component Name	
1	16.600	BB	474	0.28	1.17	Toluene	
2	22.792	BB	14037	2.19	9.30	o-CLtoluene(P)	87.6% recovery
TOTAL			14512	2.47	10.47		

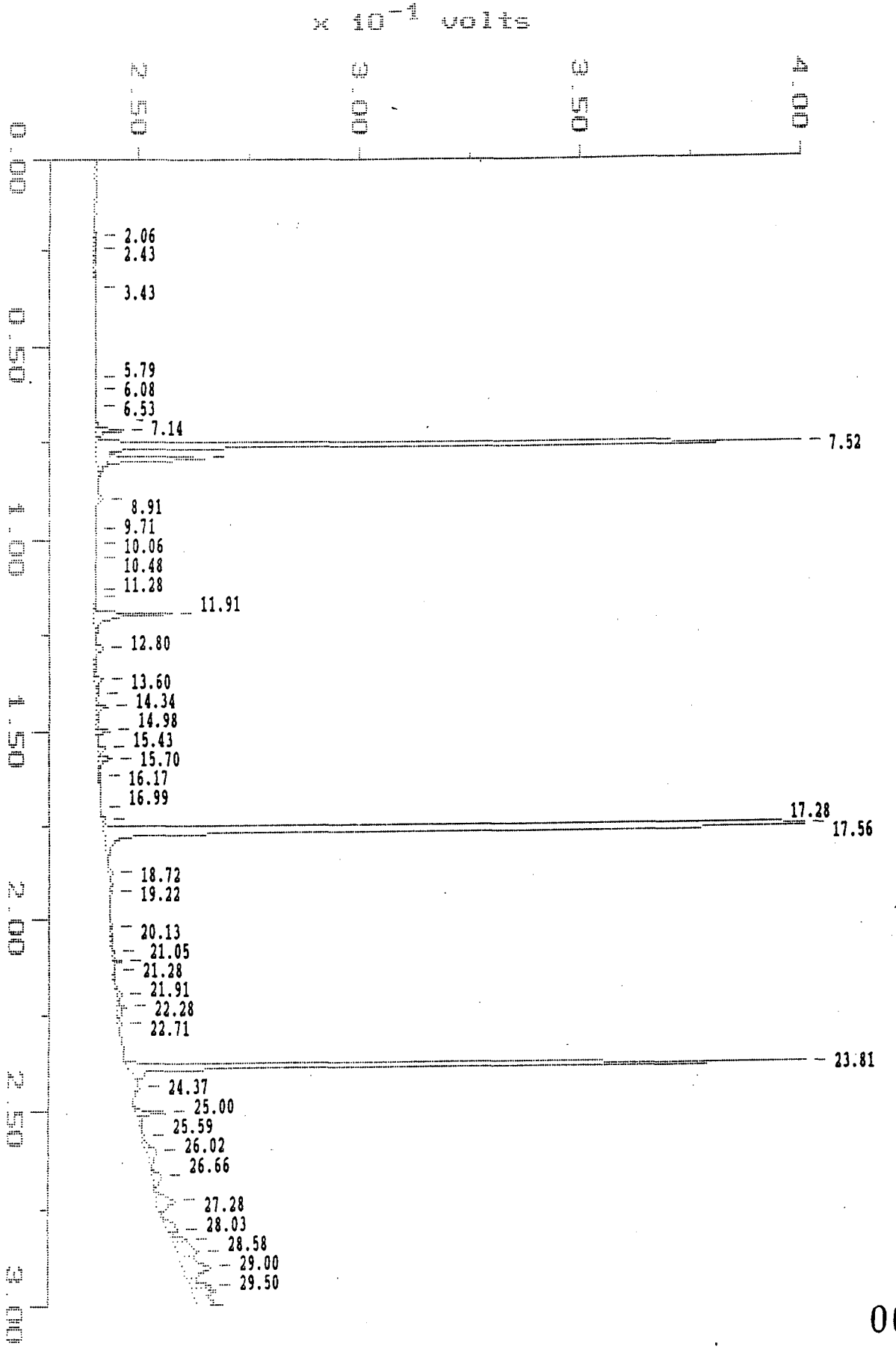
DETECTOR: HALL Col:VOCOL

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (~~PPB~~ ug/kg)	Component Name	
1	4.525	BB	14411				
2	7.425	BB	13357	0.06	0.24	CL3FLmethane	
3	8.492	BP	31529	0.41	1.75	Freon-113	
4	8.800	PB	25813	0.11	0.46	1,1-CL2ethene	
5	9.900	BB	1939228	5.53!!	23.44!!	CH2CL2	
6	11.142	BB	41456	0.17	0.74	1,1-CL2ethane	
7	12.408	BB	2542	0.01	0.03	Chloroform	
8	12.967	BB	1818699	9.01!!	38.17!!	1,1,1-CL3ethane	
9	13.725	SV	176855	0.87	3.69	1,2-CL2ethane	
10	14.583	VS	5006	0.02	0.09	CL3ethene	
11	17.292	BB	1324	0.01	0.03	1,1,2-CL3ethane	
12	17.692	BB	3877	0.01	0.06	CL4ethene	
13	21.058	BB	2581				
14	22.825	BB	709660	2.09	8.87	o-CLtoluene(H)	83.6% recovery
15	24.433	BB	602				
16	25.292	BB	331901	2.69	11.41	1,4-CL2benzene	
17	26.417	BB	2163	0.02	0.08	1,2-CL2benzene	
18	29.883	BB	16693				
TOTAL			5137697	21.02!!	89.07!!		

!! Result calculation based on peak response more than 10% outside of calibration range.

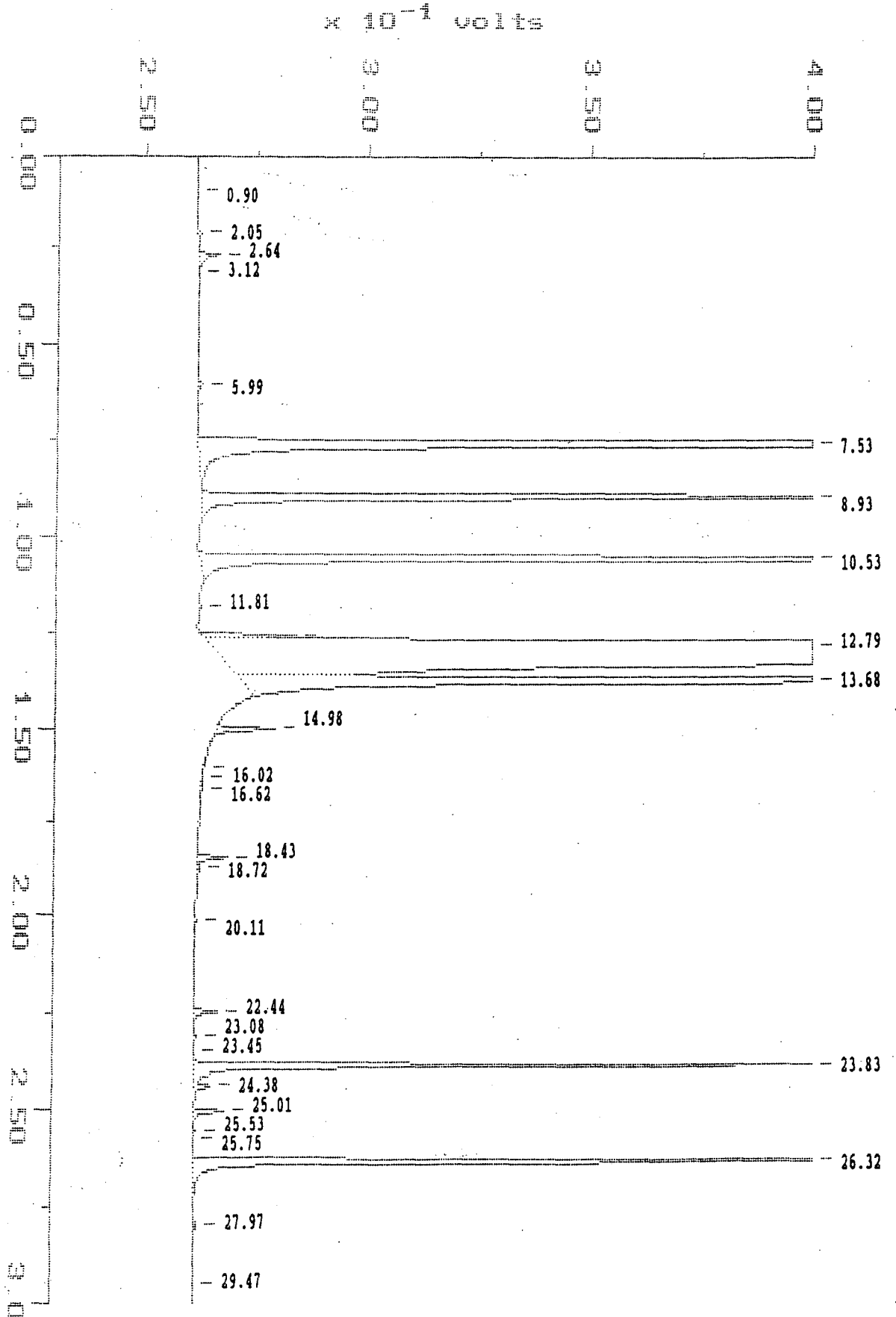
LMS# 7423,7344

Sample: 88894 1.00 G Channel: PID Col:DB-624 Filename: AA092810
Acquired: 28-SEP-88 23:34 Method: C:\MAX\1194\AA0928MA Operator: GBS
Dilution: 1 : 5.000



000397

Sample: 88894 1.00 G Channel: HALL Col:DB-624 Filename: AA092810
Acquired: 28-SEP-88 23:34 Method: C:\MAX\1194\AA0928MA Operator: CBJ
Dilution: 1 : 5.000



MAXIMA 820 CUSTOM REPORT

Printed: 27-OCT-1988 15:45:13

SAMPLE: 88894 1.00 G
#9 in Method: TRACOR 1194 - PROCESSING - SPEC
Acquired: 28-SEP-1988 23:34
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: UNKN
Instrument: TRACOR 1194
Filename: AA092810
Index: Disk

Dilution: 5.000

DETECTOR: PID Col:DB-624

Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/KG)	Component Name
2.058	0.086	BP	383	6692			
2.433	0.102	PP	370	4235			
3.425	0.144	PB	231	2379	0.11	0.53	Vinyl Chlorid P
5.792	0.243	BP	114	962			
6.083	0.256	PP	246	2671			
6.525	0.274	PP	117	842			
7.142	0.300	PP	6480	48145	Invalid	Invalid	Diethyl Ether
7.517	0.316	PB	224775	1404255	26.11!!	130.57!!	1,1-CL2ethene P
7.883	0.331	SS	22241	153567	3.23	16.17	Acetone
8.908	0.374	BB	1230	8143			
9.708	0.408	BP	160	1162	0.07	0.33	t-12-Cl2eten P
10.058	0.422	PP	217	1516			
10.483	0.440	PB	226	2213			
11.283	0.474	BP	241	1733			
11.492	0.483	PP	186	1736			
11.908	0.500	PB	17309	136431	0.57	2.84	MEK
12.800	0.538	BP	1783	18699			
13.600	0.571	PP	1582	15487	0.20	0.99	Benzene
14.000	0.588	PP	427	4537			
14.342	0.602	PP	2460	20361			
14.975	0.629	PP	2886	19522	0.21	1.04	CL3ethene P
15.425	0.648	PP	1764	12500			
15.700	0.659	PB	3266	31364			
16.167	0.679	SS	231	2107			
16.992	0.714	BP	184	1222	0.09	0.45	c-13-CL2prpen P
17.283	0.726	PP	862	5262	3.33	16.63	MIBK
17.558	0.737	PB	842279	4312677	23.67!!	118.35!!	Toluene
18.717	0.786	BP	987	9440	0.12	0.58	CL4ethene P
19.217	0.807	PP	769	5815			
20.133	0.846	PB	192	2192			
20.783	0.873	BP	458	2488	0.06	0.29	Ethylbenzene
21.050	0.884	PP	1950	10896	0.03	0.15	p/m-Xylene
21.275	0.894	PP	474	2556			
21.908	0.920	PP	1273	13779	0.16	0.79	o-Xylen/Styrene

AA092810

22.275	0.936	PP	1990	31097			
22.708	0.954	PB	762	6749	0.08	0.39	Cumene
23.808	1.000	BB	258462	1261955	8.85	44.24	o-CLtoluene P
24.367	1.023	BB	666	5378			
25.000	1.050	BP	6924	52394			
25.592	1.075	PP	503	3270	0.06	0.32	13-CL2benzene P
26.017	1.093	PP	2389	44777			
26.658	1.120	PP	2124	38379	0.39	1.94	12-CL2benzene P
27.275	1.146	PP	3834	67899			
28.025	1.177	PP	1932	38781			
28.267	1.187	PP	3399	25887			
28.583	1.201	PP	4896	92226			
29.000	1.218	PP	5907	131282			
29.500	1.239	PP	4610	46590			
30.192	1.268	PP	6685	256439			
30.683	1.289	PB	3232	43594			
TOTAL			1446669	8414281	67.32!!	336.61!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

DETECTOR: HALL Col:DB-624

Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/KG)	Component Name
0.900	0.038	BB	74	803			
2.050	0.086	BP	803	10657			
2.642	0.111	PB	4731	47963	0.14	0.71	CL2FL2methane
3.117	0.131	SS	232	4546	Invalid	Invalid	Chloromethane
5.992	0.251	BB	1004	10510	0.02	0.10	CL3FLmethane
7.533	0.316	BB	831707	5819219	23.66!!	118.29!!	1,1-CL2ethene H
8.925	0.374	BB	288174	1826192	0.63	3.16	CH2CL2
10.525	0.442	BB	393814	2633210	9.56	47.81	1,1-CL2ethane
11.808	0.495	BB	470	2961	0.04	0.19	c-12-CL2etene H
12.533	0.526	BP	21317	128243	0.34	1.69	Chloroform
12.792	0.537	PP	>9734812	>154491772	>578.11!!	>2890.56!!	1,1,1-CL3ethane
13.675	0.574	PB	510365	3506099	12.13	60.66	1,2-CL2ethane
14.983	0.629	BB	13273	87619	0.26	1.30	CL3ethene H
16.017	0.672	BB	274	2743	0.03	0.14	BRCL2methane
16.267	0.683	BP	294	2528			
16.617	0.697	PB	175	1758	Invalid	Invalid	~~2-CLethyineth H~~ 6B5
18.433	0.773	BP	6797	45547	0.15	0.75	1,1,2-CL3ethane
18.717	0.785	PB	801	7474	0.02	0.12	CL4ethene H
20.108	0.844	BB	137	568			
22.442	0.942	BB	5426	34569	0.27	1.35	Bromoform
23.075	0.968	BP	269	1903			

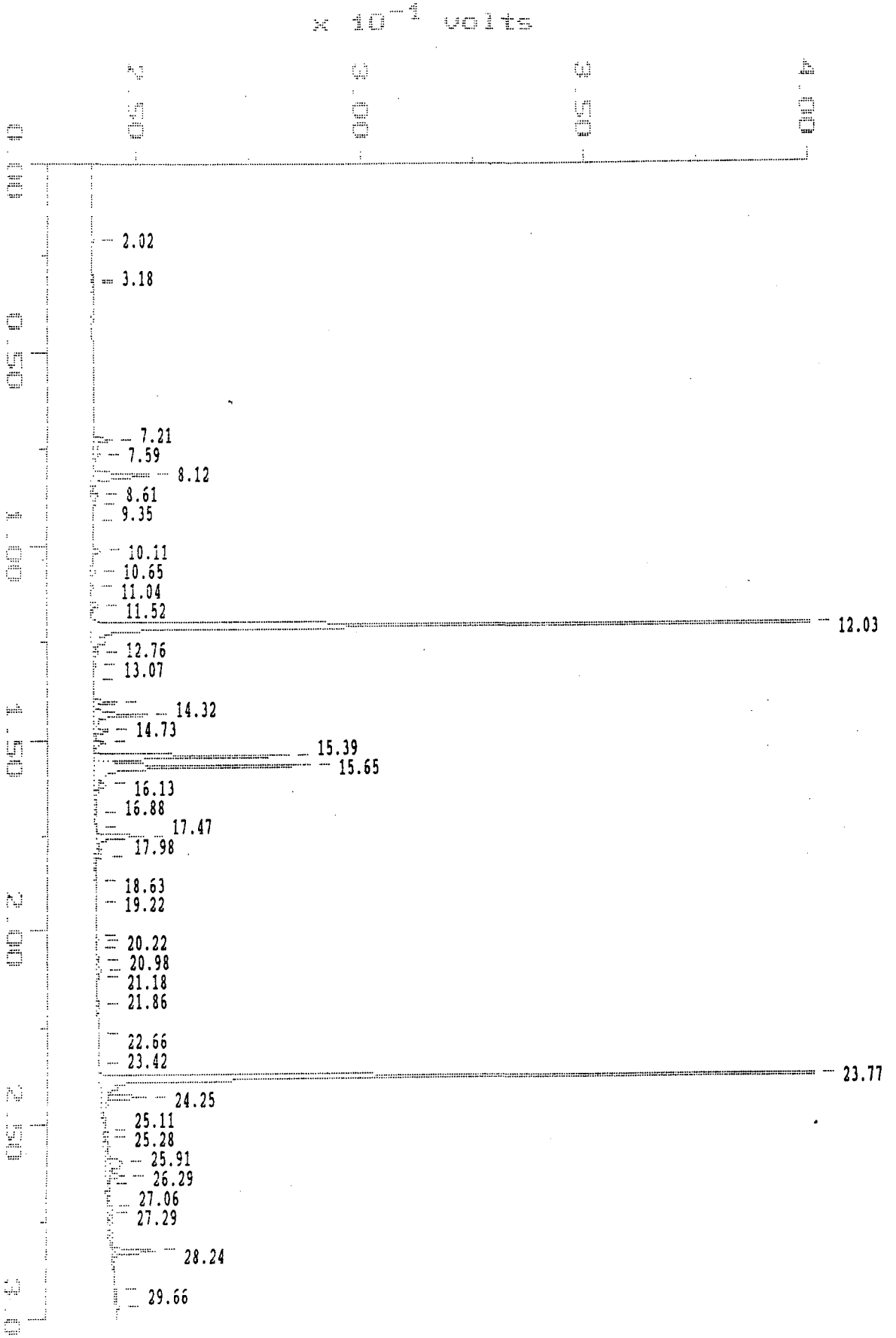
AA092810

23.450	0.984	PB	154	1128	0.02	0.09	1,1,2,2-CL4etha
23.833	1.000	BP	149690	914331	9.05	45.25	o-CLtoluene H
24.375	1.023	PB	3359	23297			
25.008	1.049	BB	6827	42378			
25.525	1.071	BP	297	2092	0.04	0.21	13-CL2benzene H
25.750	1.080	PB	197	1406	0.04	0.19	14-CL2benzene H
26.317	1.104	BB	213517	1377112			12-CL2benzene H
27.967	1.173	SS	353	7091			
29.467	1.236	BB	244	1356			
TOTAL			2454777	16545305	56.40!!	282.00!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

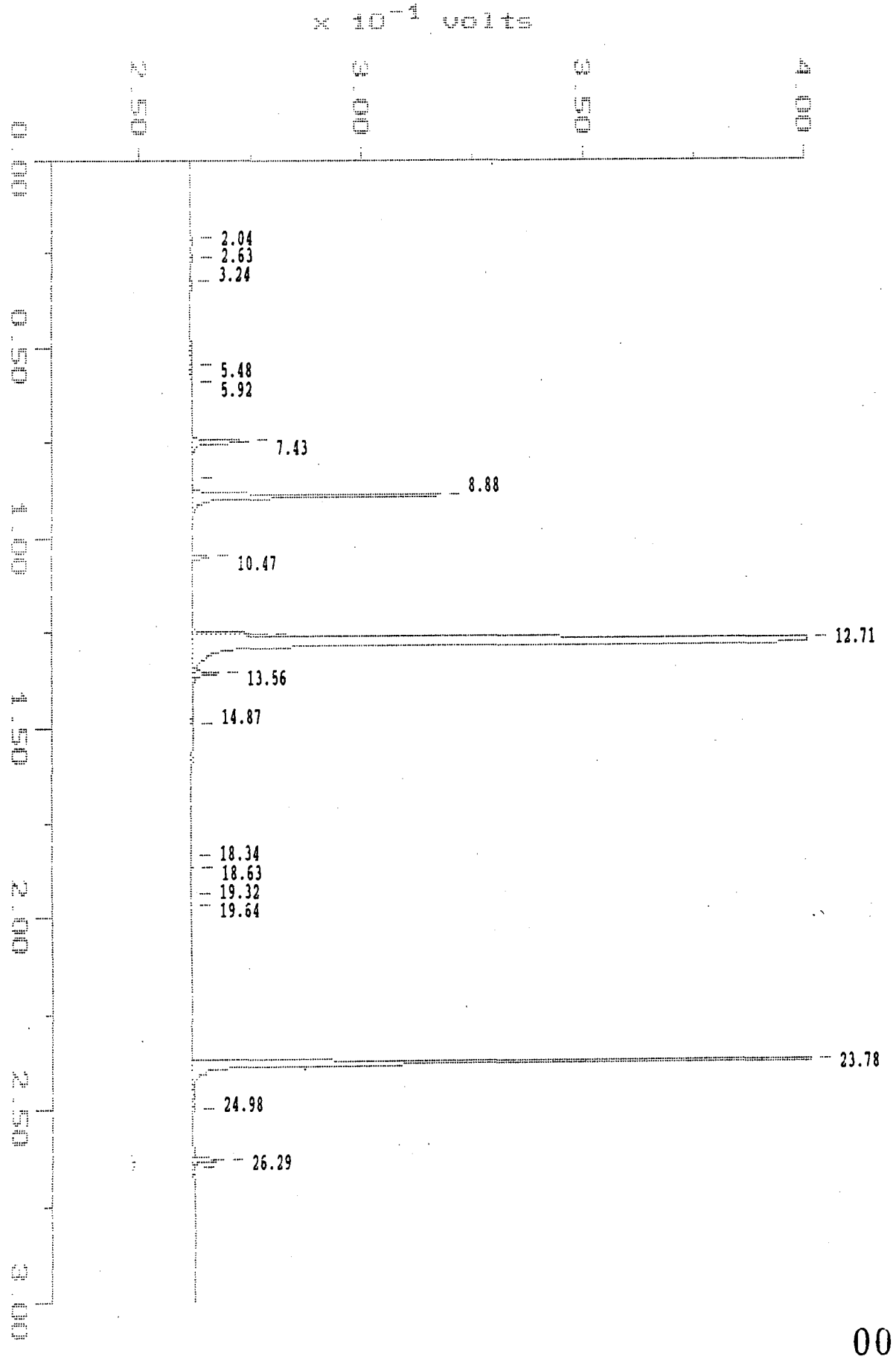
LMS# 7423, 7344

Sample: 88894SOIL Channel: PID Col:DB-624 Filename: AA092909
Acquired: 29-SEP-88 14:40 Method: C:\MAX\1194\AA0929MA Operator: GWS
Dilution: 1 : 934.600



000402

Sample: 88894SOIL Channel: HALL Col:DB-624 Filename: AA092909
Acquired: 29-SEP-88 14:40 Method: C:\MAX\1194\AA0929MA Operator:
Dilution: 1 : 934.600



MAXIMA 820 CUSTOM REPORT

Printed: 15-NOV-1988 10:24:41

SAMPLE: 88894SOIL
#9 in Method: TRACOR 1194 - PROCESSING - SPEC
Acquired: 29-SEP-1988 14:40
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: UNKN
Instrument: TRACOR 1194
Filename: AA092909
Index: Disk

Dilution: 934.600

DETECTOR: PID Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.017	BB	966			
2	3.100	BP	3284			
3	3.183	PB	5898			
4	7.208	BP	36964	Invalid	Invalid	Diethyl Ether
5	7.592	PP	17281	0.27	254.75	1,1-CL2ethene P
6	8.117	PP	123224	1.91	1787.27	Acetone
7	8.608	PP	10087			
8	8.850	PP	9084			
9	9.350	PB	4728			
10	10.108	BP	14347			
11	10.650	PP	7886			
12	11.042	SS	1219			
13	11.517	PP	10484			
14	12.033	PP	1659177	27.25	25470.60	MEK
15	12.758	SS	5448			
16	13.067	SS	3771			
17	13.458	PP	2387	Invalid	Invalid	Benzene
18	14.000	PP	34192			
19	14.317	PP	93673			
20	14.725	PP	24985	0.30	283.57	CL3ethene P
21	15.033	PP	15696			
22	15.392	PP	272312			
23	15.650	PP	346933			
24	16.125	SS	11416			
25	16.875	SS	880	0.08	71.89	c-13-CL2prpen P
26	17.233	PP	1160	0.45	417.35	MIBK
27	17.467	PP	81899	0.47	439.33	Toluene
28	17.975	SS	12864	0.26	243.03	t-13-CL2prpen P
29	18.625	PB	3912	0.05	45.08	CL4ethene P
30	19.217	BP	3881			
31	20.067	PP	4305			
32	20.217	PP	2827			
33	20.400	PP	1755	0.03	28.31	Chlorobenzene P
34	20.717	PP	3955	0.08	75.47	Ethylbenzene

MW093909

35	20.983	PP	7263	0.06	55.28	p/m-Xylene
36	21.183	PP	4121			
37	21.858	PB	4194	0.12	114.59	o-Xylen/Styrene
38	22.658	BB	1473	0.05	48.24	Cumene
39	23.417	BP	1291			
40	23.767	PB	1559459	11.52!!	10762.76!!	o-CLtoluene P
41	24.250	SS	48133			
42	25.108	SV	-6849			
43	25.283	VV	-13037	Invalid	Invalid	13-CL2benzene P
44	25.908	VV	37082			
45	26.292	VV	14115			
46	26.508	VV	-10411	Invalid	Invalid	12-CL2benzene P
47	27.058	VV	-24619			
48	27.292	VV	-16392			
49	28.242	VV	13828			
50	29.200	VV	-1475			
51	29.658	VV	6504			
52	30.617	VS	4654			
TOTAL			4607779	42.90!!	40097.50!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

DETECTOR: HALL Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.042	BP	3789			
2	2.625	PP	4612	0.10	91.16	CL2FL2methane
3	3.242	PB	2750	0.05	48.97	Chloromethane
4	5.483	BP	5378			
5	5.917	PB	2782	0.04	38.46	CL3FLmethane
6	7.433	BB	85014	0.35	329.43	1,1-CL2ethene H
7	8.458	BP	4621			
8	8.875	PB	365419	0.91	854.57	CH2CL2
9	10.467	BB	21788	0.09	80.58	1,1-CL2ethane
10	12.525	BP	83809	0.23	214.88	Chloroform
11	12.708	PB	5443617	21.07!	19692.69!	1,1,1-CL3ethane
12	13.558	SS	32302	0.11	105.33	1,2-CL2ethane
13	14.867	BB	2976	Invalid	Invalid	CL3ethene H
14	18.342	BP	2193	0.01	7.57	1,1,2-CL3ethane
15	18.625	PB	1178	Invalid	Invalid	CL4ethene H
16	19.317	BP	3533	0.03	27.08	BR2CLmethane
17	19.642	PB	1510			
18	23.783	BB	934608	9.95	9298.48	o-CLtoluene H
19	24.975	BB	839			

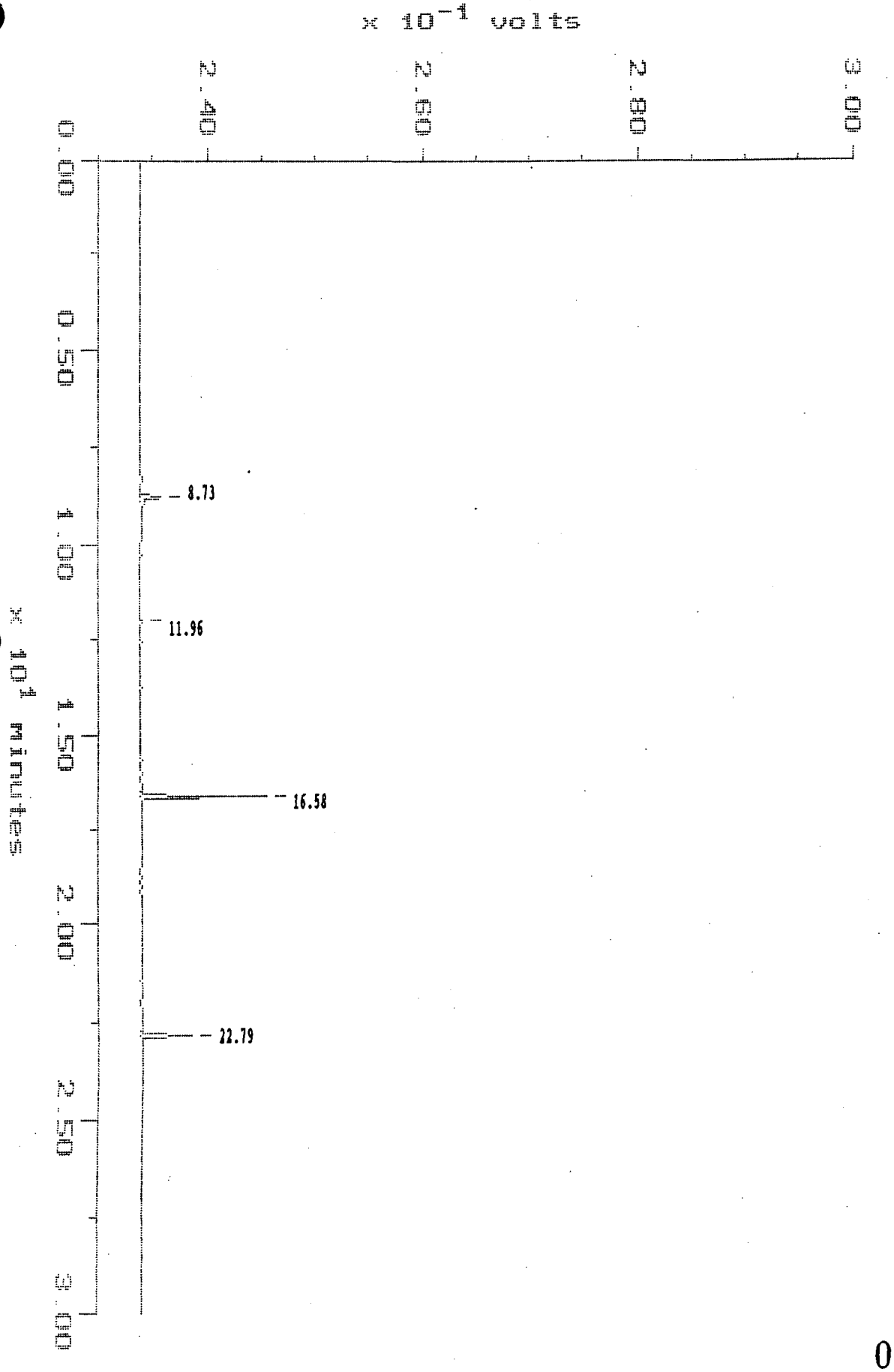
AA043909

20	26.292	BP	38592			
21	26.525	PB	969	0.04	37.22	12-CL2benzene H
TOTAL			7042278	32.98!	30826.41!	

! Result calculation based on peak response ratio outside of calibration range.

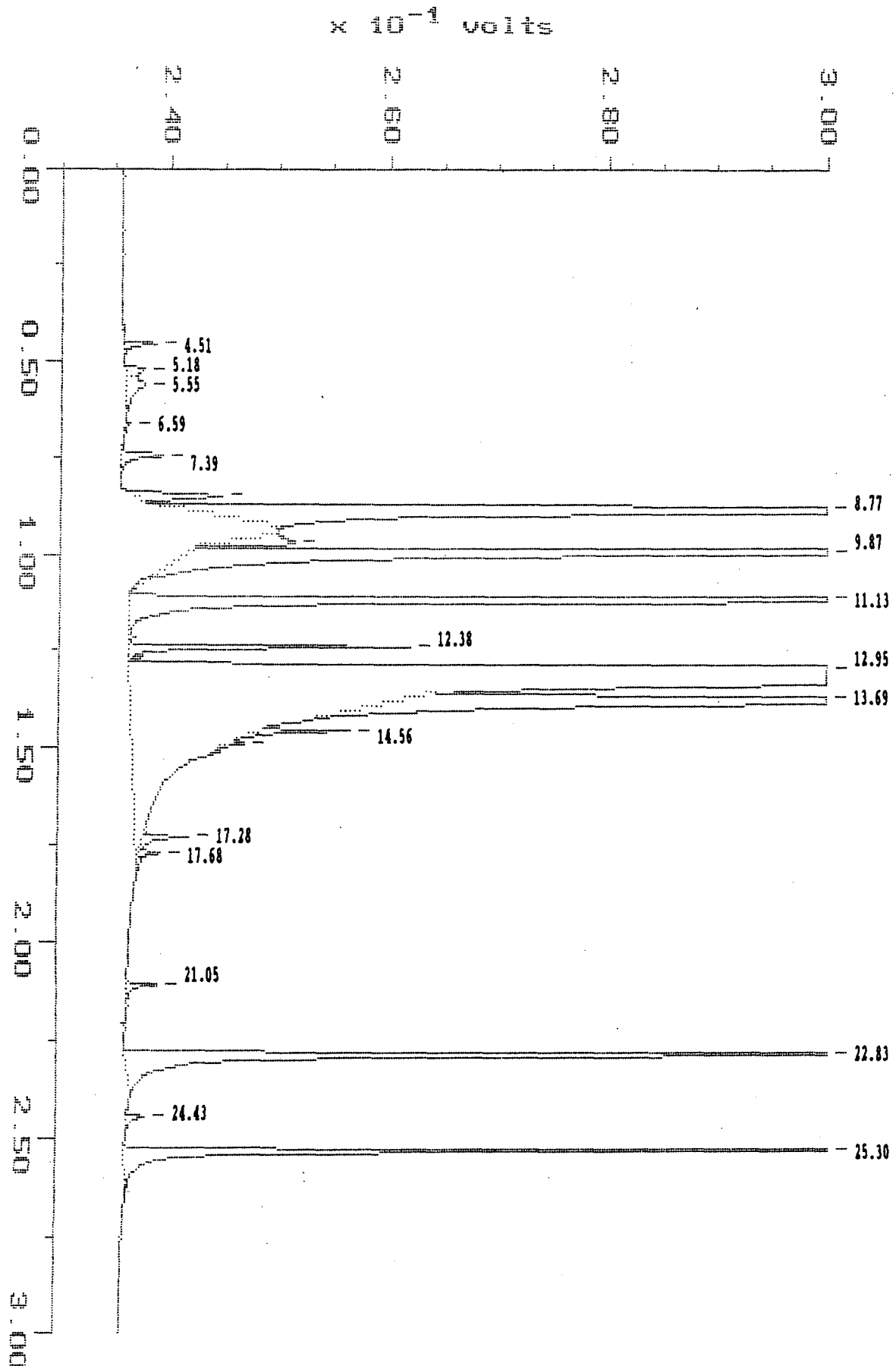
LMS 1423, 1577

Sample: 88894 1.09 G Channel: PID Col:VOCOL Filename: AB092009
Acquired: 20-SEP-88 19:35 Method: C:\MAX\860\AB_0920 Operator:
Dilution: 1 : 4.587



000407

Sample: 88894 1.09 G Channel: HALL Col:VOCOL Filename: AB092009
Acquired: 20-SEP-88 19:35 Method: C:\MAX\860\AB_0920 Operator: GBG
Dilution: 1 : 4.587



000403

MAXIMA 820 CUSTOM REPORT

Printed: 9-NOV-1988 14:40:34

SAMPLE: 88894 1.09 G
Method: VOA 860 601/602
Acquired: 20-SEP-1988 19:35
Rate: 2.0 points/sec
Duration: 30.500 minutes
Operator:

Type: UNKN
Instrument: TRACOR 860
Filename: AB092009
Index: Disk

Dilution: 4.587

DETECTOR: PID Col:VOCOL

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (PPB ug/kg)	Component Name	
1	8.733	BB	12450				
2	11.958	BB	672				
3	16.583	BB	43345	25.24!!	115.77!!	Toluene	
4	22.792	BB	21665	3.39	15.54	o-CLtoluene(P)	136% recovery
TOTAL			78132	28.63!!	131.31!!		

!! Result calculation based on peak response more than 10% outside of calibration range.

DETECTOR: HALL Col:VOCOL

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (PPB ug/kg)	Component Name
1	4.508	BB	20741			
2	5.183	BP	23307	0.22	1.00	Chloromethane
3	5.550	PB	37336	0.24	1.08	Vinyl chloride
4	6.592	BB	2502	0.05	0.24	Bromomethane
5	7.392	BB	35724	0.15	0.70	CL3FLmethane
6	8.450	BP	73125	0.96	4.41	Freon-113
7	8.767	PB	3627310	15.26!!	69.99!!	1,1-CL2ethene
8	9.650	BP	76309			
9	9.867	PP	3677118	10.49!!	48.12!!	CH2CL2
10	11.125	PP	2490248	10.43!!	47.86!!	1,1-CL2ethane
11	12.383	PP	149221	0.48	2.19	Chloroform
12	12.950	PB	>99582668	>493.29!!	>2262.70!!	1,1,1-CL3ethane
13	13.692	SS	3613656	17.79!!	81.61!!	1,2-CL2ethane
14	14.558	SV	51333	0.22	1.01	CL3ethene
15	14.900	VS	7036	0.04	0.16	1,2-CL2propane
16	17.275	SV	30406	0.16	0.75	1,1,2-CL3ethane
17	17.675	VS	14960	0.05	0.23	CL4ethene

18	21.050	BB	20625				
19	22.833	BB	1057663	3.12	14.32	o-CLtoluene(H)	125% recovery
20	24.425	BB	13538				
21	25.300	BB	473371	3.84	17.62	1,4-CL2benzene	
TOTAL			15495530	63.50!!	291.30!!		

!! Result calculation based on peak response more than 10% outside of calibration range.

ANALYSES BY METHODS 8010/8020

STANDARDS DATA

AA0921

chloromethane Calibration Report

Printed: 31-OCT-1988 18:24:26

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99996734

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.99993467

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 8.408453E-02 + 1.251517E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.100000E-01	4.5636304E+03	1.411992E-01	-2.21E+01	2.410362E-05
1.0 PPB STD	AA092002	Y	1.100000E+00	7.2923312E+04	9.967325E-01	1.04E+01	1.508434E-05
5.0 PPB STD	AA092003	Y	5.500000E+00	4.3999022E+05	5.590639E+00	-1.62E+00	1.250028E-05
20 PPB STD	AA092004	Y	2.200000E+01	1.7496636E+06	2.198143E+01	8.45E-02	1.257385E-05

000411
~~000350~~ cw

chloroethane Calibration Report

Printed: 31-OCT-1988 18:25:11

Quant Basis: Area | Rejection Tolerance: None | Internal Standard: None
Curve Type: Linear | Weighting: 1 / Conc | Forced Through Origin: No
Corr. Coef. (r): 0.99896634 | Coef. of Determination (r^2): 0.99793374

Equation: Conc = 6.334692E-02 + 7.222370E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.100000E-01	7.5709829E+03	1.180274E-01	-6.80E+00	1.452916E-05
1.0 PPB STD	AA092002	Y	1.100000E+00	1.2326720E+05	9.536282E-01	1.53E+01	8.923704E-06
5.0 PPB STD	AA092003	Y	5.500000E+00	8.0996825E+05	5.913237E+00	-6.99E+00	6.790390E-06
20 PPB STD	AA092004	Y	2.200000E+01	2.9914932E+06	2.166902E+01	1.53E+00	7.354187E-06

000414
~~000393~~ cs

CL3FLmethane Calibration Report

Printed: 31-OCT-1988 18:25:25

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99930340

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99860729

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 4.164050E-02 + 4.103582E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	1.7296078E+04	1.126164E-01	-1.12E+01	5.781658E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	1.9459966E+05	8.401962E-01	1.90E+01	5.138755E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.2537875E+06	5.186661E+00	-3.60E+00	3.987917E-06
20 PPB STD	AA092004	Y	2.000000E+01	4.8456480E+06	1.992616E+01	3.71E-01	4.127415E-06

000415

~~000394~~ CLF

1,1-CL2ethene Calibration Report

Printed: 31-OCT-1988 18:25:38

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99974179

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99948365

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 1.911487E-02 + 5.167977E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	1.5390518E+04	9.865271E-02	1.37E+00	6.497507E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	1.8582823E+05	9.794709E-01	2.10E+00	5.381314E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.0070713E+06	5.223636E+00	-4.28E+00	4.964892E-06
20 PPB STD	AA092004	Y	2.000000E+01	3.8247817E+06	1.978550E+01	1.08E+00	5.229057E-06

000416

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Freon-113 Calibration Report

Printed: 31-OCT-1988 18:25:55

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99956393

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99912805

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 5.329674E-02 + 6.671662E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	8.9335459E+03	1.128983E-01	-1.14E+01	1.119376E-05
1.0 PPB STD	AA092002	Y	1.000000E+00	1.2568952E+05	8.918547E-01	1.21E+01	7.956113E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	7.1694387E+05	4.836504E+00	3.38E+00	6.974047E-06
20 PPB STD	AA092004	Y	2.000000E+01	3.0253225E+06	2.023722E+01	-1.17E+00	6.610865E-06

000417

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CH2CL2 Calibration Report

Printed: 31-OCT-1988 18:26:13

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99879187

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.99758521

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -8.710640E-01 + 3.457299E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	1.4667633E+05	-3.639600E-01	-1.27E+02	6.817733E-07
1.0 PPB STD	AA092002	Y	1.000000E+00	5.5272231E+05	1.039862E+00	-3.83E+00	1.809227E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.8735019E+06	5.606193E+00	-1.08E+01	2.668799E-06
20 PPB STD	AA092004	Y	2.000000E+01	5.9841415E+06	1.981790E+01	9.19E-01	3.342167E-06

000418

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t-1,2-CL2ethene Calibration Report

Printed: 31-OCT-1988 18:26:28

Quant Basis: Area | Rejection Tolerance: None | Internal Standard: None
Curve Type: Linear | Weighting: 1 / Conc | Forced Through Origin: No
Corr. Coef. (r): 0.99994361 | Coef. of Determination (r^2): 0.99988723

Equation: Conc = -3.509050E-03 + 3.507778E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	2.8346781E+04	9.592517E-02	4.25E+00	3.527737E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	2.9990559E+05	1.048493E+00	-4.63E+00	3.334383E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.4161696E+06	4.964100E+00	7.23E-01	3.530651E-06
20 PPB STD	AA092004	Y	2.000000E+01	5.6993935E+06	1.998870E+01	5.65E-02	3.509145E-06

000419

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1,1-CL2ethane Calibration Report

Printed: 31-OCT-1988 18:26:46

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99999243

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99998486

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 1.628541E-02 + 3.722691E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	2.2578838E+04	1.003394E-01	-3.38E-01	4.428926E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	2.6494625E+05	1.002598E+00	-2.59E-01	3.774350E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.3283040E+06	4.961151E+00	7.83E-01	3.764199E-06
20 PPB STD	AA092004	Y	2.000000E+01	5.3776295E+06	2.003554E+01	-1.77E-01	3.719111E-06

000420

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c-1,2-CL2ethene Calibration Report

Printed: 31-OCT-1988 18:27:01

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99935931

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99871903

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -3.555494E-02 + 4.121197E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	3.2331352E+04	9.768894E-02	2.37E+00	3.092973E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	2.4412755E+05	9.705429E-01	3.04E+00	4.096219E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.3068905E+06	5.350399E+00	-6.55E+00	3.825875E-06
20 PPB STD	AA092004	Y	2.000000E+01	4.7766005E+06	1.964976E+01	1.78E+00	4.187078E-06

000421
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chloroform Calibration Report

Printed: 31-OCT-1988 18:27:17

Quant Basis: Area | Rejection Tolerance: None | Internal Standard: None
Curve Type: Linear | Weighting: 1 / Conc | Forced Through Origin: No
Corr. Coef. (r): 0.99983144 | Coef. of Determination (r^2): 0.99966290

Equation: Conc = -1.327998E-02 + 3.239958E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	3.5943098E+04	1.031741E-01	-3.08E+00	2.782175E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	3.1151834E+05	9.960262E-01	3.99E-01	3.210084E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.4909669E+06	4.817389E+00	3.79E+00	3.353529E-06
20 PPB STD	AA092004	Y	2.000000E+01	6.2310605E+06	2.017509E+01	-8.68E-01	3.209726E-06

000422
~~000401~~ CLF

1,1,1-CL3ethane Calibration Report

Printed: 31-OCT-1988 18:27:31

Quant Basis: Area | Rejection Tolerance: None | Internal Standard: None
Curve Type: Linear | Weighting: 1 / Conc | Forced Through Origin: No
Corr. Coef. (r): 0.99988914 | Coef. of Determination (r^2): 0.99977828

Equation: Conc = -1.229168E-02 + 4.176747E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	2.5358801E+04	9.362561E-02	6.81E+00	3.943404E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	2.5907342E+05	1.069792E+00	-6.52E+00	3.859910E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.1958899E+06	4.982638E+00	3.48E-01	4.180987E-06
20 PPB STD	AA092004	Y	2.000000E+01	4.7790215E+06	1.994847E+01	2.58E-01	4.184957E-06

000423

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carbon CL4 Calibration Report

Printed: 31-OCT-1988 18:27:45

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99988568

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99977137

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -1.049656E-03 + 3.158002E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	3.0592088E+04	9.556022E-02	4.65E+00	3.268819E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	3.2519047E+05	1.025903E+00	-2.52E+00	3.075121E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.6255172E+06	5.132337E+00	-2.58E+00	3.075944E-06
20 PPB STD	AA092004	Y	2.000000E+01	6.2829625E+06	1.984056E+01	8.04E-01	3.183212E-06

000424
~~000403~~ CLF

benzene Calibration Report

Printed: 31-OCT-1988 18:27:58

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99991649

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.99983299

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 9.074765E-02 + 8.342646E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	1.9884113E+03	2.566338E-01	-6.10E+01	5.029141E-05
1.0 PPB STD	AA092002	Y	1.000000E+00	9.3868389E+03	8.738584E-01	1.44E+01	1.065321E-04
5.0 PPB STD	AA092003	Y	5.000000E+00	5.8303781E+04	4.954826E+00	9.12E-01	8.575773E-05
20 PPB STD	AA092004	Y	2.000000E+01	2.3882034E+05	2.001468E+01	-7.34E-02	8.374496E-05

000425
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1,2-CL2ethane Calibration Report

Printed: 31-OCT-1988 18:28:11

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99953640

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99907301

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -3.630840E-02 + 3.582412E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	3.5654012E+04	9.141895E-02	9.39E+00	2.804734E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	3.0291919E+05	1.048873E+00	-4.66E+00	3.301210E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.4804592E+06	5.267306E+00	-5.07E+00	3.377330E-06
20 PPB STD	AA092004	Y	2.000000E+01	5.5007170E+06	1.966953E+01	1.68E+00	3.635890E-06

000426
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CL3ethene Calibration Report

Printed: 31-OCT-1988 18:28:25

Quant Basis: Area | Rejection Tolerance: None | Internal Standard: None
Curve Type: Linear | Weighting: 1 / Conc^2 | Forced Through Origin: No
Corr. Coef. (r): 0.99960011 | Coef. of Determination (r^2): 0.99920038

Equation: Conc = 3.643398E-03 + 3.213630E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	2.9878025E+04	9.966032E-02	3.41E-01	3.346941E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	3.2158259E+05	1.037091E+00	-3.58E+00	3.109621E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.5409686E+06	4.955746E+00	8.93E-01	3.244712E-06
20 PPB STD	AA092004	Y	2.000000E+01	6.0540750E+06	1.945920E+01	2.78E+00	3.303560E-06

000427

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1,2-CL2propane Calibration Report

Printed: 31-OCT-1988 18:28:38

Quant Basis: Area | Rejection Tolerance: None | Internal Standard: None
Curve Type: Linear | Weighting: 1 / Conc^2 | Forced Through Origin: No
Corr. Coef. (r): 0.99965888 | Coef. of Determination (r^2): 0.99931788

Equation: Conc = 1.829294E-02 + 3.935928E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	2.0679238E+04	9.968494E-02	3.16E-01	4.835768E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	2.5817875E+05	1.034466E+00	-3.33E+00	3.873285E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.2546857E+06	4.956646E+00	8.75E-01	3.985062E-06
20 PPB STD	AA092004	Y	2.000000E+01	4.9521550E+06	1.950962E+01	2.51E+00	4.038646E-06

BRCL2methane Calibration Report

Printed: 31-OCT-1988 18:28:51

Quant Basis: Area | Rejection Tolerance: None | Internal Standard: None
Curve Type: Linear | Weighting: None | Forced Through Origin: No
Corr. Coef. (r): 0.99999028 | Coef. of Determination (r^2): 0.99998057

Equation: Conc = -1.194886E-02 + 4.080307E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	1.5838148E+04	5.267564E-02	8.98E+01	6.313869E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	2.5065425E+05	1.010797E+00	-1.07E+00	3.989559E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.2404426E+06	5.049438E+00	-9.79E-01	4.030819E-06
20 PPB STD	AA092004	Y	2.000000E+01	4.9013560E+06	1.998709E+01	6.46E-02	4.080503E-06

000429

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c-1,3-CL2propen Calibration Report

Printed: 31-OCT-1988 18:29:04

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99984086

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99968174

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 1.412379E-02 + 4.445480E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.400000E-01	2.7776961E+04	1.376057E-01	1.74E+00	5.040148E-06
1.0 PPB STD	AA092002	Y	1.400000E+00	3.0874137E+05	1.386627E+00	9.64E-01	4.534540E-06
5.0 PPB STD	AA092003	Y	7.000000E+00	1.6270586E+06	7.247180E+00	-3.41E+00	4.302242E-06
20 PPB STD	AA092004	Y	2.800000E+01	6.2408265E+06	2.775759E+01	8.73E-01	4.486585E-06

000430

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toluene Calibration Report

Printed: 31-OCT-1988 18:29:18

Quant Basis: Area | Rejection Tolerance: None | Internal Standard: None
Curve Type: Linear | Weighting: 1 / Conc | Forced Through Origin: No
Corr. Coef. (r): 0.99716836 | Coef. of Determination (r^2): 0.99434474

Equation: Conc = 1.470945E-02 + 5.910760E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	1.9437078E+03	1.295974E-01	-2.28E+01	5.144806E-05
1.0 PPB STD	AA092002	Y	1.000000E+00	1.3093950E+04	7.886615E-01	2.68E+01	7.637115E-05
5.0 PPB STD	AA092003	Y	5.000000E+00	7.4558867E+04	4.421705E+00	1.31E+01	6.706110E-05
20 PPB STD	AA092004	Y	2.000000E+01	3.4861450E+05	2.062048E+01	-3.01E+00	5.736996E-05

000431 CF
~~000410~~

t-1,3-CL2propen Calibration Report

Printed: 31-OCT-1988 18:29:31

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99986398

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99972798

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 1.951179E-02 + 4.486464E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.100000E-01	1.8889014E+04	1.042567E-01	5.51E+00	5.823491E-06
1.0 PPB STD	AA092002	Y	1.100000E+00	2.4896328E+05	1.136477E+00	-3.21E+00	4.418322E-06
5.0 PPB STD	AA092003	Y	5.500000E+00	1.2555332E+06	5.652417E+00	-2.70E+00	4.380609E-06
20 PPB STD	AA092004	Y	2.200000E+01	4.8568215E+06	2.180947E+01	8.74E-01	4.529711E-06

000432

~~000411~~ cf

1,1,2-CL3ethane Calibration Report

Printed: 31-OCT-1988 18:29:50

Quant Basis: Area | Rejection Tolerance: None | Internal Standard: None
Curve Type: Linear | Weighting: 1 / Conc | Forced Through Origin: No
Corr. Coef. (r): 0.99836272 | Coef. of Determination (r^2): 0.99672812

Equation: Conc = -1.908440E-02 + 3.540253E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	2.8002266E+04	8.005070E-02	2.49E+01	3.571140E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	3.2929009E+05	1.146686E+00	-1.28E+01	3.036836E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.5366956E+06	5.421207E+00	-7.77E+00	3.253735E-06
20 PPB STD	AA092004	Y	2.000000E+01	5.4771225E+06	1.937131E+01	3.25E+00	3.651552E-06

chlorobenzene Calibration Report

Printed: 31-OCT-1988 18:30:33

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99980772

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99961547

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 8.674015E-03 + 7.620189E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	1.1388661E+04	9.545777E-02	4.76E+00	8.780664E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	1.3259114E+05	1.019044E+00	-1.87E+00	7.541982E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	6.7914081E+05	5.183855E+00	-3.55E+00	7.362243E-06
20 PPB STD	AA092004	Y	2.000000E+01	2.5961927E+06	1.979215E+01	1.05E+00	7.703588E-06

000436
~~000415~~ cf

ethylbenzene Calibration Report

Printed: 31-OCT-1988 18:30:47

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99492753

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.98988078

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 4.991678E-02 + 6.761494E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	1.2880565E+03	1.370086E-01	-2.70E+01	7.763635E-05
1.0 PPB STD	AA092002	Y	1.000000E+00	1.0508599E+04	7.604551E-01	3.15E+01	9.516017E-05
5.0 PPB STD	AA092003	Y	5.000000E+00	6.0571441E+04	4.145451E+00	2.06E+01	8.254715E-05
20 PPB STD	AA092004	Y	2.000000E+01	3.0699497E+05	2.080736E+01	-3.88E+00	6.514765E-05

000437
~~000410~~ CCF

p/m-xylene Calibration Report

Printed: 31-OCT-1988 18:31:02

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99603993

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99209554

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 1.344670E-01 + 4.835618E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	2.000000E-01	2.9319529E+03	2.762451E-01	-2.76E+01	6.821392E-05
1.0 PPB STD	AA092002	Y	2.000000E+00	2.6410227E+04	1.411565E+00	4.17E+01	7.572824E-05
5.0 PPB STD	AA092003	Y	1.000000E+01	1.7918589E+05	8.799212E+00	1.36E+01	5.580797E-05
20 PPB STD	AA092004	Y	4.000000E+01	8.5177075E+05	4.132285E+01	-3.20E+00	4.696099E-05

000438

~~000417~~ cf

o-Xylen/Styrene Calibration Report

Printed: 31-OCT-1988 18:31:16

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99536985

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99076114

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 9.108649E-02 + 5.188409E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.600000E-01	2.5200847E+03	2.218388E-01	-2.79E+01	6.348993E-05
1.0 PPB STD	AA092002	Y	1.600000E+00	2.0560029E+04	1.157825E+00	3.82E+01	7.782090E-05
5.0 PPB STD	AA092003	Y	8.000000E+00	1.2969257E+05	6.820067E+00	1.73E+01	6.168434E-05
20 PPB STD	AA092004	Y	3.200000E+01	6.3804519E+05	3.319548E+01	-3.60E+00	5.015319E-05

000439

~~000419~~ cof

bromoform Calibration Report

Printed: 31-OCT-1988 18:31:31

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99999416

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.99998832

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 3.898650E-02 + 6.633380E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	3.1882529E+03	6.013539E-02	6.63E+01	3.136514E-05
1.0 PPB STD	AA092002	Y	1.000000E+00	1.4733794E+05	1.016335E+00	-1.61E+00	6.787118E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	7.5276981E+05	5.032395E+00	-6.44E-01	6.642137E-06
20 PPB STD	AA092004	Y	2.000000E+01	3.0078402E+06	1.999113E+01	4.43E-02	6.649289E-06

000440

~~000419~~ ed

1,1,2,2-CL4etha Calibration Report

Printed: 31-OCT-1988 18:31:46

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99861246

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99722685

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -1.603232E-02 + 3.413221E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	2.8039520E+04	7.967275E-02	2.55E+01	3.566395E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	3.6846762E+05	1.241629E+00	-1.95E+01	2.713943E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.4229669E+06	4.840868E+00	3.29E+00	3.513785E-06
20 PPB STD	AA092004	Y	2.000000E+01	5.8260010E+06	1.986940E+01	6.57E-01	3.432886E-06

000441

~~000420~~ CF

o-CLtoluene (P) Calibration Report

Printed: 31-OCT-1988 18:32:00

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 1.00000000

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 1.00000000

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 6.219195E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
5.0 PPB STD	AA092003	Y	1.000000E+01	1.6079250E+05	1.000000E+01	3.21E-06	6.219196E-05

000442

~~000421~~

o-CLtoluene (H) Calibration Report

Printed: 31-OCT-1988 18:32:13

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 1.00000000

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 1.00000000

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 7.347711E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
5.0 PPB STD	AA092003	Y	1.000000E+01	1.3609680E+06	1.000000E+01	6.22E-07	7.347711E-06

000443

~~000422~~ OLF

1,3-CL2benzene Calibration Report

Printed: 31-OCT-1988 18:32:27

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99996293

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99992585

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 3.398421E-02 + 4.912206E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	1.4056863E+04	1.030344E-01	-2.95E+00	7.113963E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	1.8895211E+05	9.621559E-01	3.93E+00	5.292346E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.0188951E+06	5.039007E+00	-7.74E-01	4.907277E-06
20 PPB STD	AA092004	Y	2.000000E+01	4.0633452E+06	1.999397E+01	3.01E-02	4.922053E-06

000444
~~000423~~ CF

1,4-CL2benzene Calibration Report

Printed: 31-OCT-1988 18:32:41

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99996626

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.99993253

Internal Standard: None
Forced Through Origin: No

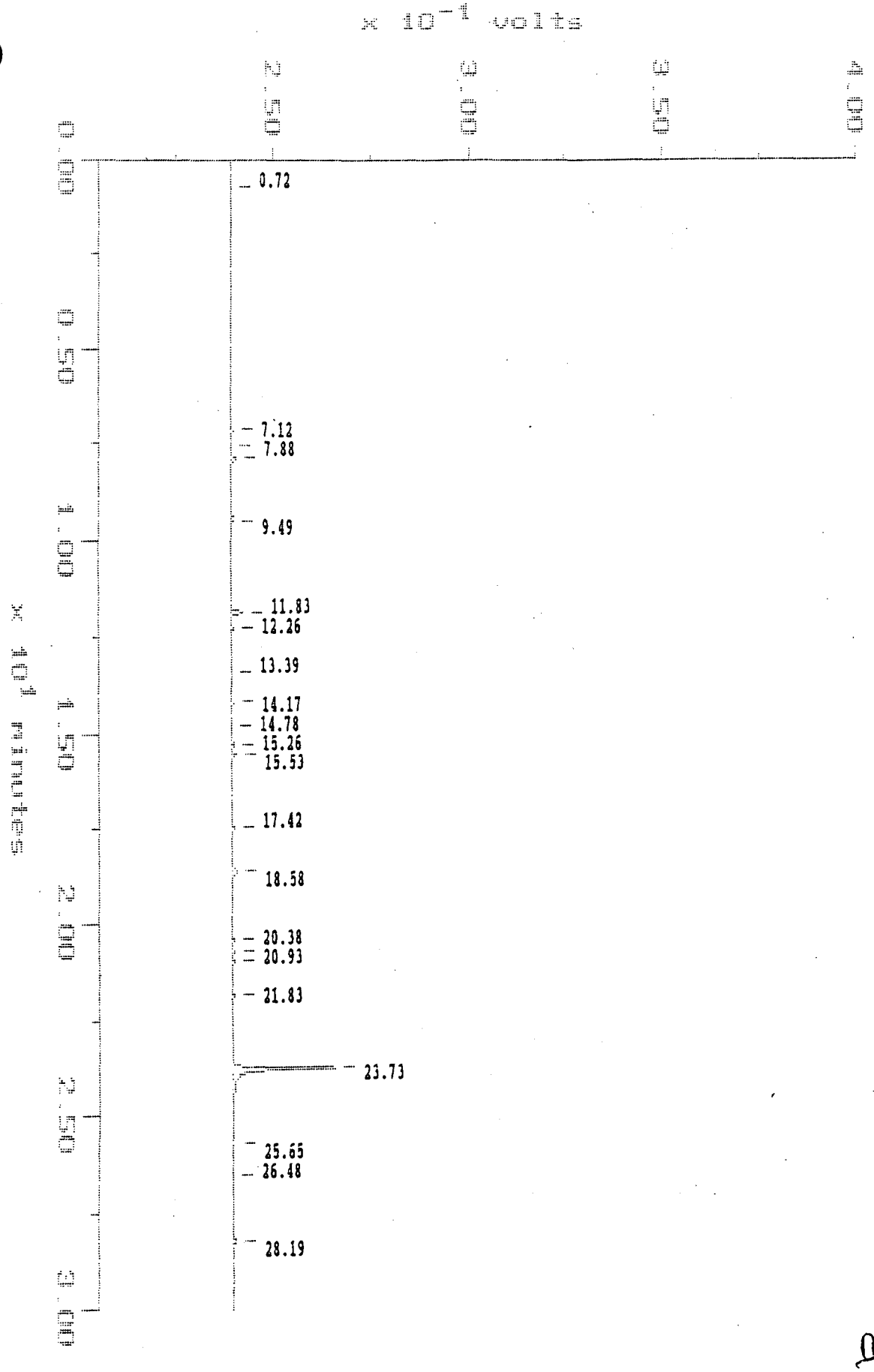
Equation: Conc = -1.566993E-02 + 4.102395E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092001	Y	1.000000E-01	1.7740729E+04	5.710956E-02	7.51E+01	5.636747E-06
1.0 PPB STD	AA092002	Y	1.000000E+00	2.3696784E+05	9.564639E-01	4.55E+00	4.219982E-06
5.0 PPB STD	AA092003	Y	5.000000E+00	1.2502124E+06	5.113196E+00	-2.21E+00	3.999321E-06
20 PPB STD	AA092004	Y	2.000000E+01	4.8724945E+06	1.997323E+01	1.34E-01	4.104674E-06

000445

~~000424~~ CAT

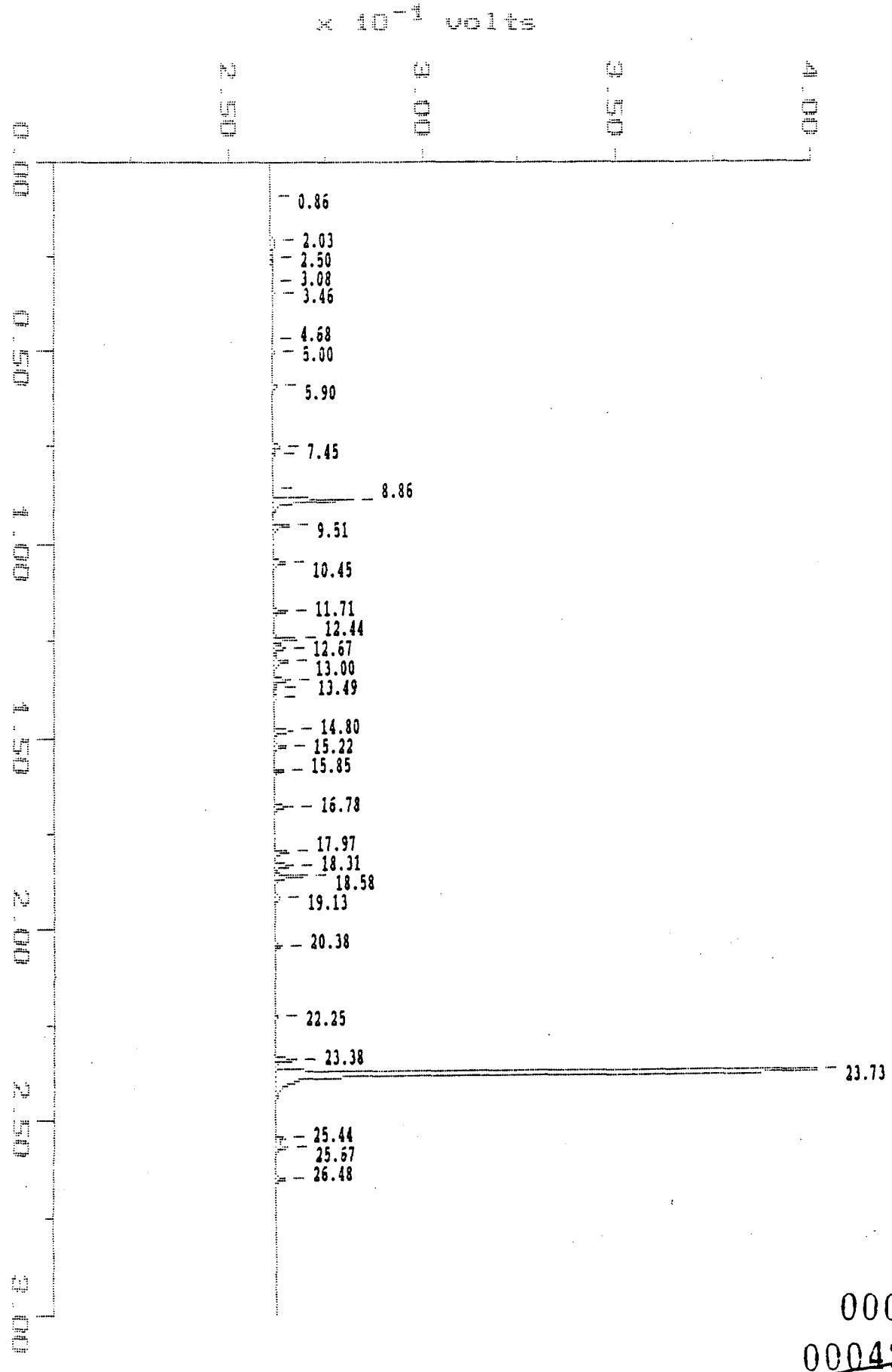
Sample: 0.1 PPB STD Channel: PID Col:DB-624 Filename: AA092001
Acquired: 20-SEP-88 8:25 Method: C:\MAX\1194\AA_0920 Operator: [signature]



000446

~~000425~~ cc

Sample: 0.1 PPB STD Channel: HALL Col:DB-624 Filename: AA092001
Acquired: 20-SEP-88 8:25 Method: C:\MAX\1194\AA_0920 Operator:



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000426

MAXIMA 820 CUSTOM REPORT

Printed: 13-OCT-1988 15:38:56

SAMPLE: 0.1 PPB STD
#1 in Method: VOA 601/602 Tracor 1194
Acquired: 20-SEP-1988 8:25
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: STND
Instrument: TRACOR 1194
Filename: AA092001
Index: Disk

DETECTOR: PID Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	0.717	BB	1420			
2	7.117	BP	1404			
3	7.517	PP	1751			
4	7.875	PB	7001			
5	9.492	BB	2303			
6	11.825	BP	17683			
7	12.258	PB	4171			
8	13.392	BB	1988	0.10	0.10	benzene
9	14.167	BB	1598			
10	14.775	BB	1290			
11	15.258	BP	3401			
12	15.533	PB	5370			
13	17.417	BB	1944	0.10	0.10	toluene
14	18.583	BB	9449			
15	20.375	BP	1672			
16	20.658	PP	1288	0.10	0.10	ethylbenzene
17	20.933	PB	2932	0.20	0.20	p/m-xylene
18	21.825	BB	2520	0.16	0.16	o-Xylen/Styrene
19	23.725	BB	154641	Invalid	Invalid	o-CLtoluene (P)
20	25.650	BB	1994			
21	26.483	BB	1586			
22	28.192	BB	2259			
TOTAL			229666	0.66	0.66	

DETECTOR: HALL Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	0.858	BB	1177			

000443

000427 cf

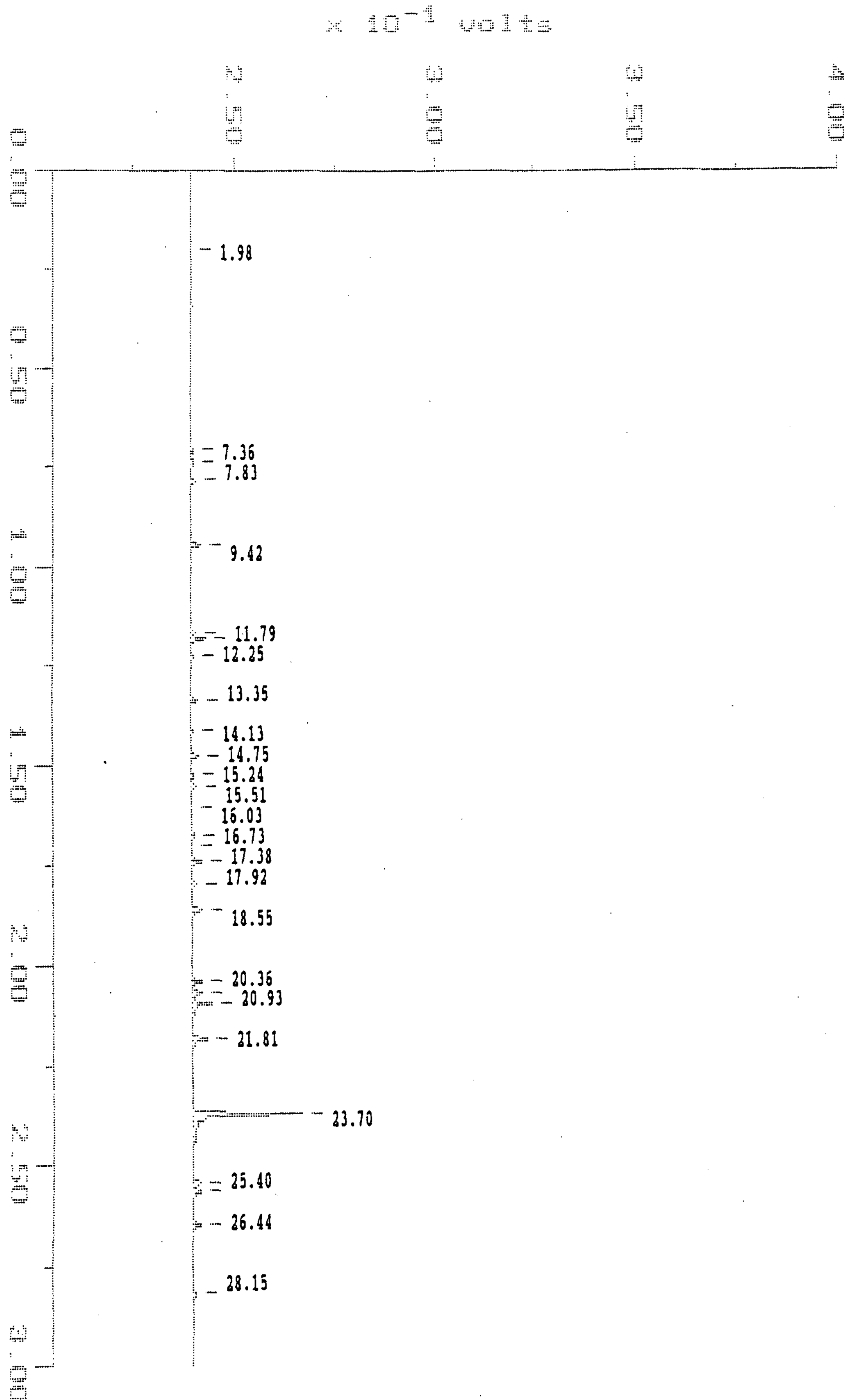
NA092001

2	2.025	BP	19096			
3	2.500	PP	4762			
4	3.075	PP	4564	0.11	0.11	chloromethane
5	3.458	PB	5807	0.10	0.10	vinyl chloride
6	4.683	BP	1237	0.11	0.11	bromomethane
7	5.000	PB	7571	0.11	0.11	chloroethane
8	5.900	BB	17296	0.10	0.10	CL3FLmethane
9	7.450	BP	15391	0.10	0.10	1,1-CL2ethene
10	7.650	PB	8934	0.10	0.10	Freon-113
11	8.558	BP	1448			
12	8.858	PP	146676	0.10	0.10	CH2CL2
13	9.508	PB	28347	0.10	0.10	t-1,2-CL2ethene
14	10.450	BB	22579	0.10	0.10	1,1-CL2ethane
15	11.708	BP	32331	0.10	0.10	c-1,2-CL2ethene
16	12.442	PP	35943	0.10	0.10	chloroform
17	12.667	PP	25359	0.10	0.10	1,1,1-CL3ethane
18	13.000	PP	30592	0.10	0.10	carbon CL4
19	13.492	PP	35654	0.10	0.10	1,2-CL2ethane
20	13.717	SV	1681			
21	13.950	VS	3164			
22	14.800	PP	29878	0.10	0.10	CL3ethene
23	15.217	PP	20679	0.10	0.10	1,2-CL2propane
24	15.850	PB	15838	0.10	0.10	BRCL2methane
25	16.775	BB	27777	0.14	0.14	c-1,3-CL2propen
26	17.967	BP	18889	0.11	0.11	t-1,3-CL2propen
27	18.308	PP	28002	0.10	0.10	1,1,2-CL3ethane
28	18.575	PP	48463	0.10	0.10	CL4ethene
29	19.125	PB	10313	0.10	0.10	BR2CLmethane
30	20.383	BB	11389	0.10	0.10	chlorobenzene
31	22.250	BB	3188	0.10	0.10	bromoform
32	23.375	BP	28040	0.10	0.10	1,1,2,2-CL4etha
33	23.733	PB	1311035	Invalid	Invalid	o-CLtoluene (H)
34	25.442	BP	14057	0.10	0.10	1,3-CL2benzene
35	25.667	PB	17741	0.10	0.10	1,4-CL2benzene
36	26.483	BB	15178	0.10	0.10	1,2-CL2benzene
			---	---	---	
TOTAL			2050074	2.98	2.98	

~~000423~~ cof

000449

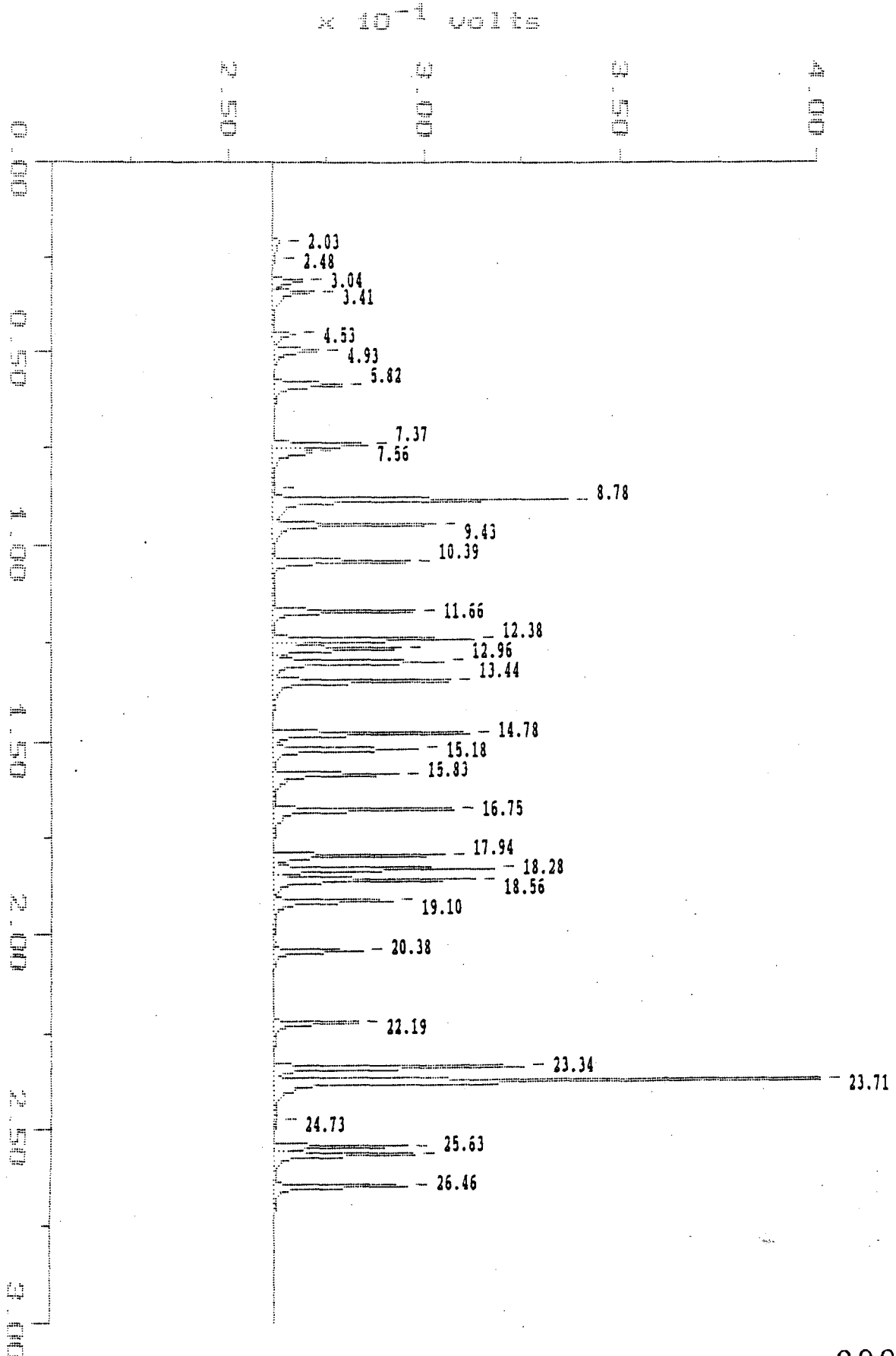
Sample: 1.0 PPB STD Channel: PID Col:DB-624 Filename: AA092002
Acquired: 20-SEP-88 9:12 Method: C:\MAX\1194\AA_0920 Operator: SOS



000450

~~000429~~ cf

Sample: 1.0 PPB STD Channel: HALL Col:DB-624 Filename: AA092002
Acquired: 20-SEP-88 9:12 Method: C:\MAX\1194\AA_0920 Operator: ECS



000430 000451

MAXIMA 820 CUSTOM REPORT

Printed: 13-OCT-1988 15:39:57

SAMPLE: 1.0 PPB STD
#2 in Method: VOA 601/602 Tracor 1194
Acquired: 20-SEP-1988 9:12
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: STND
Instrument: TRACOR 1194
Filename: AA092002
Index: Disk

DETECTOR: PID Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	1.983	BB	780			
2	7.067	BP	1597			
3	7.358	PP	4739			
4	7.825	PB	6343			
5	9.417	BB	13051			
6	11.650	BP	4522			
7	11.792	PP	19982			
8	12.250	PB	3507			
9	13.350	BB	8669	1.00	1.00	benzene
10	14.133	BB	2281			
11	14.750	BB	8673			
12	15.242	BP	3529			
13	15.508	PB	5072			
14	16.025	BB	704			
15	16.725	BP	3782			
16	16.992	PB	783			
17	17.383	BB	13094	1.00	1.00	toluene
18	17.917	BB	4505			
19	18.550	BB	12794			
20	20.358	BP	12718			
21	20.658	PP	10509	1.00	1.00	ethylbenzene
22	20.925	PB	26410	2.00	2.00	p/m-xylene
23	21.808	BB	20560	1.60	1.60	o-Xylen/Styrene
24	23.700	BB	152369	Invalid	Invalid	o-CLtoluene (P)
25	25.400	BP	9717			
26	25.617	PB	9376			
27	26.442	BB	8340			
28	28.150	BB	2354			
TOTAL			370760	6.60	6.60	

000452
~~000431~~ cof

AA09003

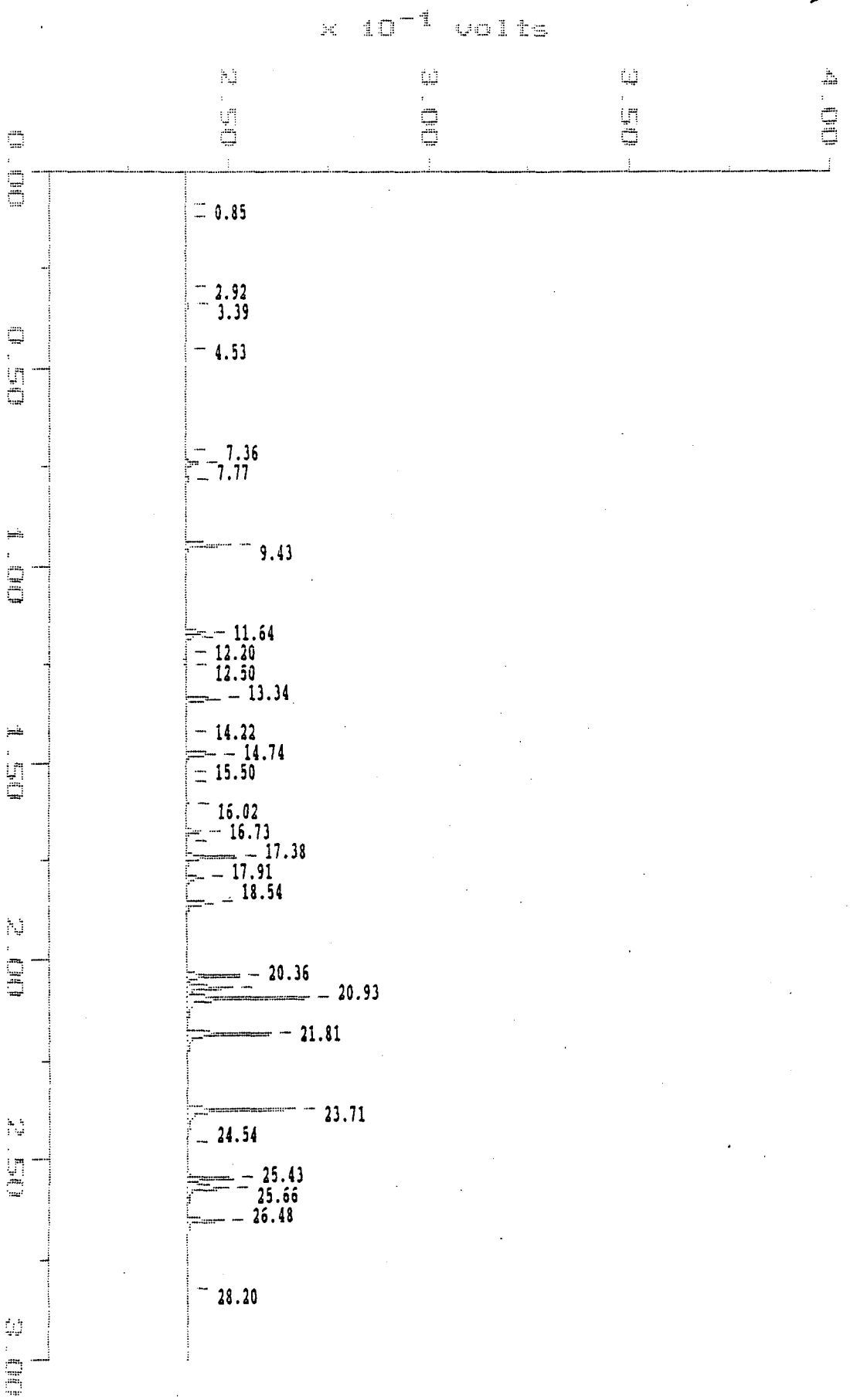
DETECTOR: HALL Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.025	BP	42207			
2	2.483	SS	851			
3	3.042	PP	72923	1.10	1.10	chloromethane
4	3.408	PP	112988	1.00	1.00	vinyl chloride
5	4.525	PP	49943	1.10	1.10	bromomethane
6	4.925	PP	123267	1.10	1.10	chloroethane
7	5.817	PB	194600	1.00	1.00	CL3FLmethane
8	7.367	BP	185828	1.00	1.00	1,1-CL2ethene
9	7.558	PP	125690	1.00	1.00	Freon-113
10	8.525	PP	5343			
11	8.783	PP	552722	1.00	1.00	CH2CL2
12	9.433	PP	299906	1.00	1.00	t-1,2-CL2ethene
13	10.392	PP	264946	1.00	1.00	1,1-CL2ethane
14	11.658	PP	244128	1.00	1.00	c-1,2-CL2ethene
15	12.383	PP	311518	1.00	1.00	chloroform
16	12.608	PP	259073	1.00	1.00	1,1,1-CL3ethane
17	12.958	PP	325190	1.00	1.00	carbon CL4
18	13.442	PP	302919	1.00	1.00	1,2-CL2ethane
19	14.783	PP	321583	1.00	1.00	CL3ethene
20	15.175	PP	258179	1.00	1.00	1,2-CL2propane
21	15.825	PP	250654	1.00	1.00	BRCL2methane
22	16.750	PP	308741	1.40	1.40	c-1,3-CL2propen
23	17.942	PP	248963	1.10	1.10	t-1,3-CL2propen
24	18.275	PP	329290	1.00	1.00	1,1,2-CL3ethane
25	18.558	PP	362437	1.00	1.00	CL4ethene
26	19.100	PP	218804	1.00	1.00	BR2CLmethane
27	20.375	PB	132591	1.00	1.00	chlorobenzene
28	22.192	BB	147338	1.00	1.00	bromoform
29	23.342	BP	368468	1.00	1.00	1,1,2,2-CL4etha
30	23.708	PB	1310533	Invalid	Invalid	o-CLtoluene (H)
31	24.725	SS	1876			
32	25.417	BP	188952	1.00	1.00	1,3-CL2benzene
33	25.625	PP	236968	1.00	1.00	1,4-CL2benzene
34	26.458	PB	215677	1.00	1.00	1,2-CL2benzene
TOTAL			8375098	29.80	29.80	

000453

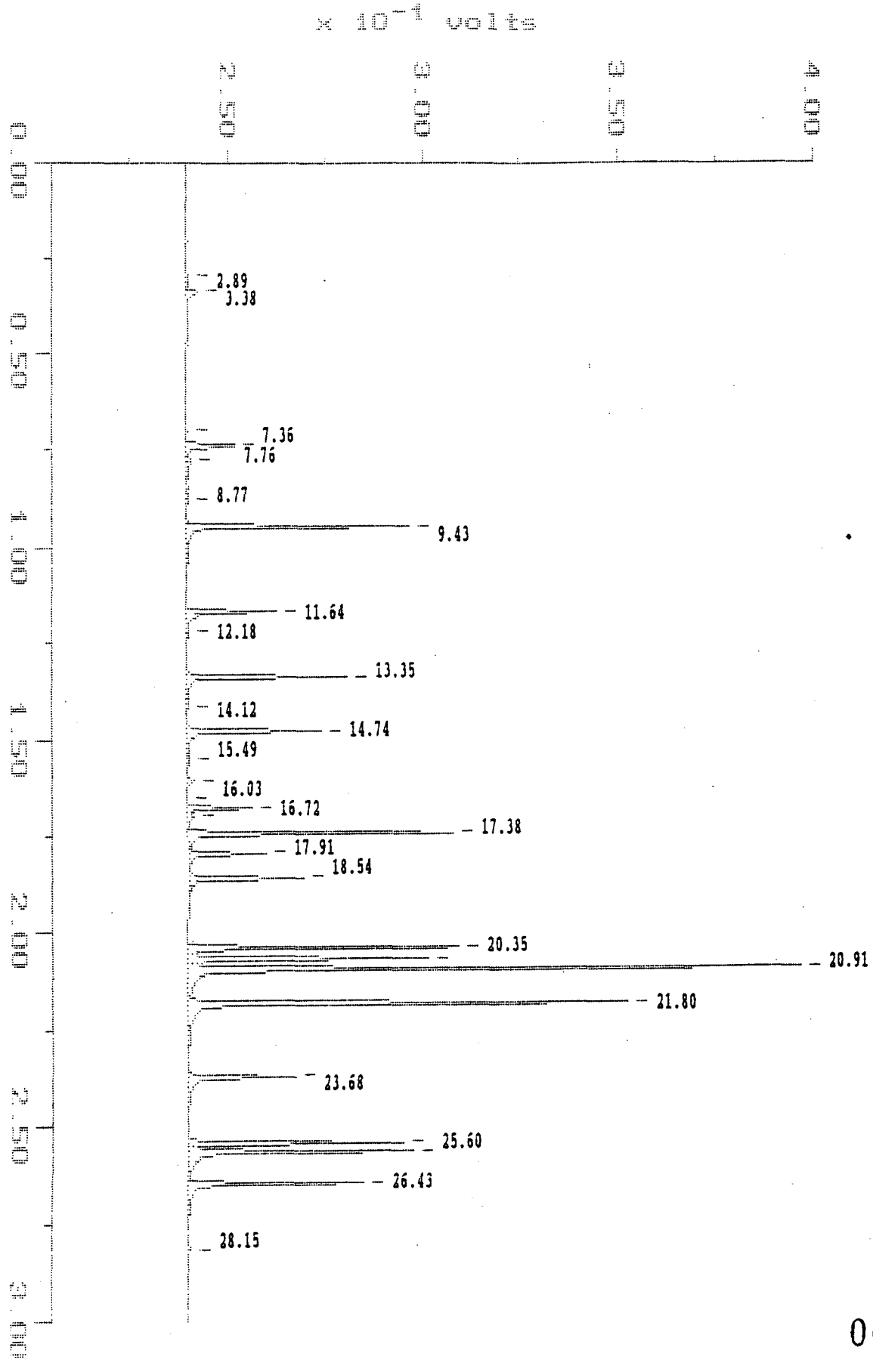
~~000432~~ cof

Sample: 5.0 PPB STD Channel: PID Col:DB-624 Filename: AA092003
Acquired: 20-SEP-88 9:51 Method: C:\MAX\1194\AA_0920 Operator:



~~000433~~ cof
000454

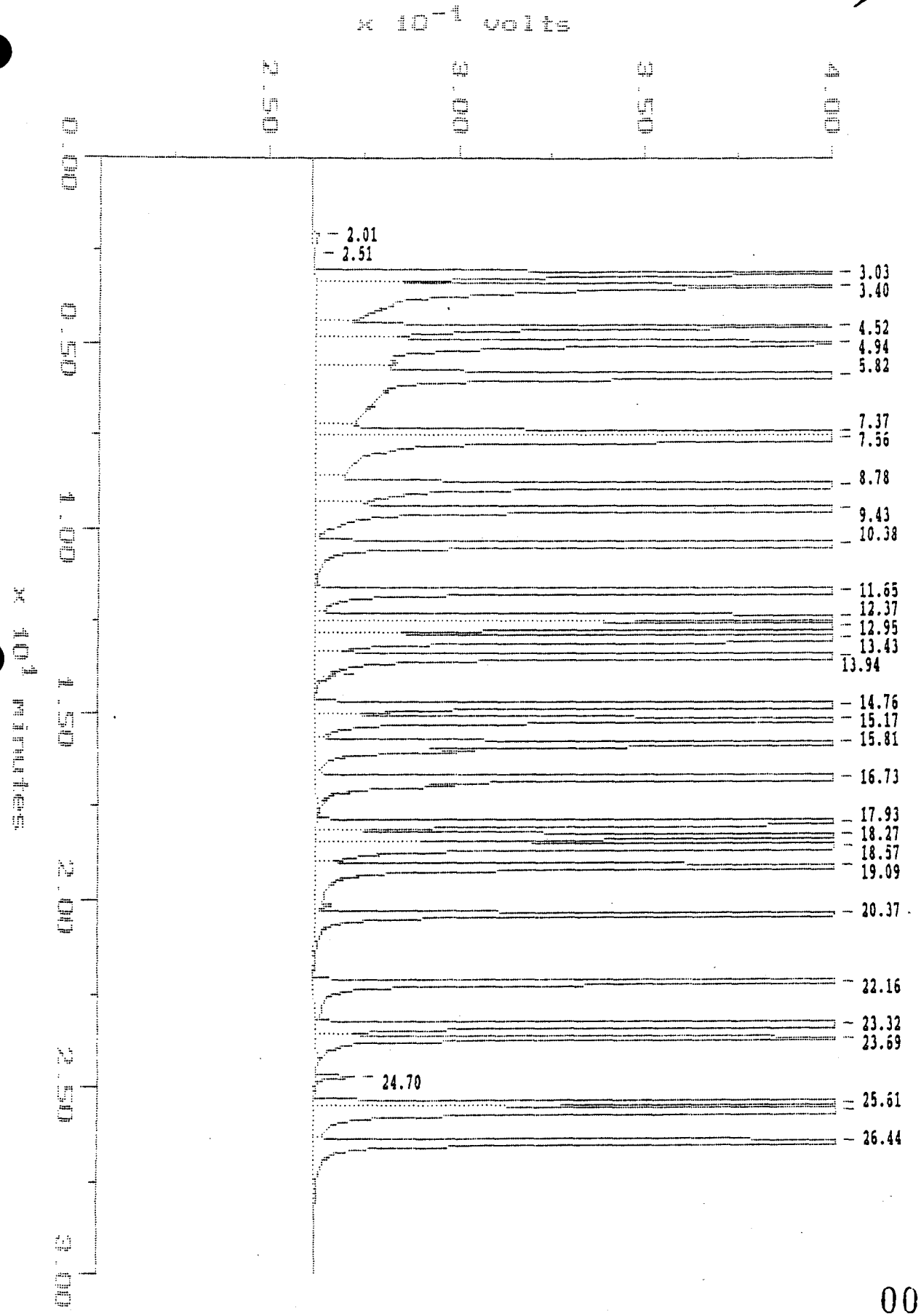
Sample: 20 PPB STD Channel: PID Col:DB-624 Filename: AA092004
Acquired: 20-SEP-88 10:31 Method: C:\MAX\1194\AA_0920 Operator:



000459

~~000433~~ CLF

Sample: 20 PPB STD Channel: HALL Col:DB-624 Filename: AA092004
Acquired: 20-SEP-88 10:31 Method: C:\MAX\1194\AA_0920 Operator:



000460

~~000439~~ CLF

MAXIMA 820 CUSTOM REPORT

Printed: 13-OCT-1988 15:42:06

SAMPLE: 20 PPB STD
#4 in Method: VOA 601/602 Tracor 1194
Acquired: 20-SEP-1988 10:31
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: STND
Instrument: TRACOR 1194
Filename: AA092004
Index: Disk

DETECTOR: PID Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.892	BP	4573			
2	3.383	PB	20655			
3	7.000	BP	912			
4	7.358	PB	92287			
5	7.758	SS	3217			
6	8.767	BP	6195			
7	9.425	PB	315541			
8	11.642	BB	134896			
9	12.175	SS	1671			
10	13.350	BB	231219	20.00	20.00	benzene
11	14.117	SS	2446			
12	14.742	BB	208720			
13	15.492	SV	3517			
14	16.025	VS	9722			
15	16.467	BP	1122			
16	16.717	PP	93851			
17	16.958	SS	4676			
18	17.383	PP	348615	20.00	20.00	toluene
19	17.908	PP	115533			
20	18.542	PB	171611			
21	20.350	BP	347604			
22	20.642	PP	306995	20.00	20.00	ethylbenzene
23	20.908	PP	851771	40.00	40.00	p/m-xylene
24	21.800	PB	638045	32.00	32.00	o-Xylen/Styrene
25	23.675	BB	157817	Invalid	Invalid	o-CLtoluene (P)
26	25.383	BP	268583			
27	25.600	PP	316759			
28	26.425	PB	248507			
29	28.150	BB	3595			
TOTAL			4910653	132.00	132.00	

000461
~~000440~~ CLF

AA093004

DETECTOR: HALL Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.008	BB	29452			
2	2.508	SS	921			
3	3.033	BP	1741908	22.00	22.00	chloromethane
4	3.400	PP	2975623	20.00	20.00	vinyl chloride
5	4.517	PP	1491507	22.00	22.00	bromomethane
6	4.942	PP	2963983	22.00	22.00	chloroethane
7	5.817	PP	4789165	20.00	20.00	CL3FLmethane
8	7.367	PP	3814246	20.00	20.00	1,1-CL2ethene
9	7.558	PP	2986691	20.00	20.00	Freon-113
10	8.783	PP	5959558	20.00	20.00	CH2CL2
11	9.433	PP	5667201	20.00	20.00	t-1,2-CL2ethene
12	10.375	PP	5331975	20.00	20.00	1,1-CL2ethane
13	11.650	PP	4753680	20.00	20.00	c-1,2-CL2ethene
14	12.367	PP	6223330	20.00	20.00	chloroform
15	12.617	PP	4770823	20.00	20.00	1,1,1-CL3ethane
16	12.950	PP	6268908	20.00	20.00	carbon CL4
17	13.425	PP	5465580	20.00	20.00	1,2-CL2ethane
18	13.942	SS	12739			
19	14.758	PP	6039670	20.00	20.00	CL3ethene
20	15.167	PP	4929188	20.00	20.00	1,2-CL2propane
21	15.808	PP	4864332	20.00	20.00	BRCL2methane
22	16.733	PP	6177929	28.00	28.00	c-1,3-CL2propen
23	17.925	PP	4840316	22.00	22.00	t-1,3-CL2propen
24	18.267	PP	5467035	20.00	20.00	1,1,2-CL3ethane
25	18.567	PP	7528907	20.00	20.00	CL4ethene
26	19.092	PP	4193881	20.00	20.00	BR2CLmethane
27	20.367	PP	2577782	20.00	20.00	chlorobenzene
28	22.158	PP	2983904	20.00	20.00	bromoform
29	23.317	PP	5808978	20.00	20.00	1,1,2,2-CL4etha
30	23.692	PB	1481687	Invalid	Invalid	o-CLtoluene (H)
31	24.700	BB	68811			
32	25.400	BP	4062844	20.00	20.00	1,3-CL2benzene
33	25.608	PP	4872494	20.00	20.00	1,4-CL2benzene
34	26.442	PB	4488036	20.00	20.00	1,2-CL2benzene
35	30.333	BB	3182			
TOTAL			135636267	596.00	596.00	

~~000441~~ cf
000462

Vinyl Chlorid H Calibration Report

Printed: 27-OCT-1988 15:53:59

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99996722

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99993444

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 5.723502E-03 + 8.040388E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	1.2161733E+04	1.035086E-01	-3.39E+00	8.222512E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	1.1892470E+05	9.619242E-01	3.96E+00	8.408682E-06
5.0 PPB STD	AA092804	Y	5.000000E+00	6.2226212E+05	5.008952E+00	-1.79E-01	8.035199E-06
20 PPB STD	AA092805	Y	2.000000E+01	2.4897150E+06	2.002400E+01	-1.20E-01	8.033048E-06

1,1-CL2ethene H Calibration Report

Printed: 27-OCT-1988 15:54:14

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99993044

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99986089

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 1.332337E-02 + 4.063174E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	2.2178295E+04	1.034377E-01	-3.32E+00	4.508913E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	2.3121927E+05	9.528076E-01	4.95E+00	4.324899E-06
5.0 PPB STD	AA092804	Y	5.000000E+00	1.2450059E+06	5.071999E+00	-1.42E+00	4.016045E-06
20 PPB STD	AA092805	Y	2.000000E+01	4.9111850E+06	1.996832E+01	1.59E-01	4.072337E-06

CH2CL2 Calibration Report

Printed: 27-OCT-1988 15:54:30

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99848133

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.99696497

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -6.388957E+00 + 3.844500E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	1.8548062E+06	7.418448E-01	-8.65E+01	5.391399E-08
1.0 PPB STD	AA092803	Y	1.000000E+00	1.8734577E+06	8.135505E-01	2.29E+01	5.337724E-07
5.0 PPB STD	AA092804	Y	5.000000E+00	2.8158027E+06	4.436395E+00	1.27E+01	1.775693E-06
20 PPB STD	AA092805	Y	2.000000E+01	6.8922280E+06	2.010821E+01	-5.38E-01	2.901819E-06

t-12-CL2eten H Calibration Report

Printed: 27-OCT-1988 15:54:45

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99998671

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99997342

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 6.285865E-03 + 3.647710E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	2.5066736E+04	9.772204E-02	2.33E+00	3.989351E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	2.7797584E+05	1.020261E+00	-1.99E+00	3.597435E-06
5.0 PPB STD	AA092804	Y	5.000000E+00	1.3753059E+06	5.023002E+00	-4.58E-01	3.635555E-06
20 PPB STD	AA092805	Y	2.000000E+01	5.4697535E+06	1.995836E+01	2.09E-01	3.656472E-06

1,1-CL2ethane Calibration Report

Printed: 27-OCT-1988 15:55:00

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99997234

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99994469

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 1.118412E-02 + 3.626814E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	2.4650994E+04	1.005887E-01	-5.85E-01	4.056632E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	2.6798372E+05	9.831112E-01	1.72E+00	3.731570E-06
5.0 PPB STD	AA092804	Y	5.000000E+00	1.3943871E+06	5.068367E+00	-1.35E+00	3.585805E-06
20 PPB STD	AA092805	Y	2.000000E+01	5.4966650E+06	1.994657E+01	2.68E-01	3.638570E-06

c-12-CL2etene H Calibration Report

Printed: 27-OCT-1988 15:55:16

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99999624

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99999249

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 2.401781E-02 + 5.013608E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	1.5102627E+04	9.973646E-02	2.64E-01	6.621365E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	1.9600156E+05	1.006693E+00	-6.65E-01	5.102000E-06
5.0 PPB STD	AA092804	Y	5.000000E+00	9.8754006E+05	4.975156E+00	4.99E-01	5.063086E-06
20 PPB STD	AA092805	Y	2.000000E+01	3.9879887E+06	2.001823E+01	-9.11E-02	5.015059E-06

Chloroform Calibration Report

Printed: 27-OCT-1988 15:55:33

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99997634

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99995267

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -3.933308E-02 + 2.941397E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	4.8385270E+04	1.029872E-01	-2.90E+00	2.066745E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	3.4467284E+05	9.744867E-01	2.62E+00	2.901302E-06
5.0 PPB STD	AA092804	Y	5.000000E+00	1.7009451E+06	4.963822E+00	7.29E-01	2.939542E-06
20 PPB STD	AA092805	Y	2.000000E+01	6.8324230E+06	2.005754E+01	-2.87E-01	2.927219E-06

1,1,1-CL3ethane Calibration Report

Printed: 27-OCT-1988 15:55:47

Quant Basis: Area | Rejection Tolerance: None | Internal Standard: None
Curve Type: Linear | Weighting: 1 / Conc | Forced Through Origin: No
Corr. Coef. (r): 0.99999601 | Coef. of Determination (r^2): 0.99999201

Equation: Conc = -3.278381E-02 + 3.742238E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	3.5564906E+04	1.003085E-01	-3.08E-01	2.811761E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	2.7405862E+05	9.928087E-01	7.24E-01	3.648854E-06
5.0 PPB STD	AA092804	Y	5.000000E+00	1.3515790E+06	5.025146E+00	-5.00E-01	3.699377E-06
20 PPB STD	AA092805	Y	2.000000E+01	5.3482240E+06	1.998154E+01	9.24E-02	3.739559E-06

Benzene Calibration Report

Printed: 27-OCT-1988 15:56:03

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99366099

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.98736216

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 5.726633E-02 + 9.047138E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	9.3930977E+03	1.422470E-01	-2.97E+01	1.064612E-05
1.0 PPB STD	AA092803	Y	1.000000E+00	7.3654664E+04	7.236302E-01	3.82E+01	1.357687E-05
5.0 PPB STD	AA092804	Y	5.000000E+00	4.4153756E+05	4.051917E+00	2.34E+01	1.132406E-05
20 PPB STD	AA092805	Y	2.000000E+01	2.3005137E+06	2.087033E+01	-4.17E+00	8.693710E-06

1,2-CL2ethane Calibration Report

Printed: 27-OCT-1988 15:56:17

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99999404

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99998808

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 2.116375E-02 + 3.454188E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	2.3270850E+04	1.015456E-01	-1.52E+00	4.297222E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	2.7937059E+05	9.861624E-01	1.40E+00	3.579475E-06
5.0 PPB STD	AA092804	Y	5.000000E+00	1.4371087E+06	4.985208E+00	2.97E-01	3.479208E-06
20 PPB STD	AA092805	Y	2.000000E+01	5.7917005E+06	2.002679E+01	-1.34E-01	3.453217E-06

CL3ethene P Calibration Report

Printed: 27-OCT-1988 15:56:31

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99814337

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99629020

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -9.817244E-03 + 1.113771E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	1.2160541E+04	1.256234E-01	-2.04E+01	8.223318E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	7.2790992E+04	8.009080E-01	2.49E+01	1.373796E-05
5.0 PPB STD	AA092804	Y	5.000000E+00	4.1315175E+05	4.591749E+00	8.89E+00	1.210209E-05
20 PPB STD	AA092805	Y	2.000000E+01	1.8405920E+06	2.049017E+01	-2.39E+00	1.086607E-05

CL3ethene H Calibration Report

Printed: 27-OCT-1988 15:56:45

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99999613

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.99999225

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -5.783442E-03 + 3.037541E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	4.5565969E+04	1.326250E-01	-2.46E+01	2.194620E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	3.2664453E+05	9.864126E-01	1.38E+00	3.061432E-06
5.0 PPB STD	AA092804	Y	5.000000E+00	1.6394325E+06	4.974059E+00	5.22E-01	3.049836E-06
20 PPB STD	AA092805	Y	2.000000E+01	6.5884505E+06	2.000690E+01	-3.45E-02	3.035615E-06

BRCL2methane Calibration Report

Printed: 27-OCT-1988 15:57:02

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99998432

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99996865

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 1.656369E-02 + 3.821417E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	2.2504035E+04	1.025610E-01	-2.50E+00	4.443648E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	2.5071386E+05	9.746458E-01	2.60E+00	3.988611E-06
5.0 PPB STD	AA092804	Y	5.000000E+00	1.3017144E+06	4.990957E+00	1.81E-01	3.841088E-06
20 PPB STD	AA092805	Y	2.000000E+01	5.2374560E+06	2.003107E+01	-1.55E-01	3.818648E-06

Toluene Calibration Report

Printed: 27-OCT-1988 15:57:23

Quant Basis: Area | Rejection Tolerance: None | Internal Standard: None
Curve Type: Linear | Weighting: 1 / Conc | Forced Through Origin: No
Corr. Coef. (r): 0.99574167 | Coef. of Determination (r^2): 0.99150146

Equation: Conc = -5.875751E-02 + 5.502210E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	3.5315758E+04	1.355572E-01	-2.62E+01	2.831597E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	1.4802608E+05	7.557131E-01	3.23E+01	6.755566E-06
5.0 PPB STD	AA092804	Y	5.000000E+00	7.8462819E+05	4.258432E+00	1.74E+01	6.372445E-06
20 PPB STD	AA092805	Y	2.000000E+01	3.7801772E+06	2.074057E+01	-3.57E+00	5.290757E-06

1,1,2-CL3ethane Calibration Report

Printed: 27-OCT-1988 15:57:40

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99996340

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99992681

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 9.558440E-03 + 3.068251E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	3.0662422E+04	1.036384E-01	-3.51E+00	3.261321E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	3.1294856E+05	9.697632E-01	3.12E+00	3.195413E-06
5.0 PPB STD	AA092804	Y	5.000000E+00	1.6104265E+06	4.950751E+00	9.95E-01	3.104768E-06
20 PPB STD	AA092805	Y	2.000000E+01	6.5393875E+06	2.007404E+01	-3.69E-01	3.058390E-06

CL4ethene P Calibration Report

Printed: 27-OCT-1988 15:57:54

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99713051

Rejection Tolerance: None
Weighting: 1 / Conc
Coef. of Determination (r^2): 0.99426926

Internal Standard: None
Forced Through Origin: No

Equation: Conc = -1.012664E-02 + 1.345483E-05 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	1.0375979E+04	1.294804E-01	-2.28E+01	9.637645E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	5.9609422E+04	7.919078E-01	2.63E+01	1.677587E-05
5.0 PPB STD	AA092804	Y	5.000000E+00	3.2848094E+05	4.409528E+00	1.34E+01	1.522158E-05
20 PPB STD	AA092805	Y	2.000000E+01	1.5338575E+06	2.062766E+01	-3.04E+00	1.303902E-05

CL4ethene H Calibration Report

Printed: 27-OCT-1988 15:58:09

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 0.99999911

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 0.99999821

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 4.043256E-03 + 2.727102E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	4.0170555E+04	1.135925E-01	-1.20E+01	2.489386E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	3.5916869E+05	9.835329E-01	1.67E+00	2.784207E-06
5.0 PPB STD	AA092804	Y	5.000000E+00	1.8330130E+06	5.002856E+00	-5.71E-02	2.727749E-06
20 PPB STD	AA092805	Y	2.000000E+01	7.3323165E+06	2.000002E+01	-8.76E-05	2.727651E-06

Chlorobenzene P Calibration Report

Printed: 27-OCT-1988 15:58:25

Quant Basis: Area | Rejection Tolerance: None | Internal Standard: None
Curve Type: Linear | Weighting: 1 / Conc | Forced Through Origin: No
Corr. Coef. (r): 0.99364311 | Coef. of Determination (r^2): 0.98732662

Equation: Conc = 6.659079E-02 + 5.791385E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	1.2966099E+04	1.416825E-01	-2.94E+01	7.712420E-06
1.0 PPB STD	AA092803	Y	1.000000E+00	1.1485936E+05	7.317856E-01	3.67E+01	8.706300E-06
5.0 PPB STD	AA092804	Y	5.000000E+00	6.8574500E+05	4.038004E+00	2.38E+01	7.291340E-06
20 PPB STD	AA092805	Y	2.000000E+01	3.5931277E+06	2.087578E+01	-4.20E+00	5.566181E-06

Chlorobenzene H Calibration Report

Printed: 27-OCT-1988 15:58:39

Quant Basis: Area | Rejection Tolerance: None | Internal Standard: None
Curve Type: Linear | Weighting: None | Forced Through Origin: No
Corr. Coef. (r): 0.99998093 | Coef. of Determination (r^2): 0.99996185

Equation: Conc = 9.629880E-02 + 7.635750E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E-01	9.4422715E+03	1.683976E-01	-4.06E+01	1.059067E-05
1.0 PPB STD	AA092803	Y	1.000000E+00	1.1595012E+05	9.816650E-01	1.87E+00	8.624398E-06
5.0 PPB STD	AA092804	Y	5.000000E+00	6.3344606E+05	4.933135E+00	1.36E+00	7.893332E-06
20 PPB STD	AA092805	Y	2.000000E+01	2.6088470E+06	2.001680E+01	-8.39E-02	7.666222E-06

o-CLtoluene P Calibration Report

Printed: 27-OCT-1988 15:59:03

Quant Basis: Area
Curve Type: Linear
Corr. Coef. (r): 1.00000000

Rejection Tolerance: None
Weighting: None
Coef. of Determination (r^2): 1.00000000

Internal Standard: None
Forced Through Origin: No

Equation: Conc = 7.011962E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E+01	1.4261344E+06	1.000000E+01	2.83E-06	7.011962E-06

o-CLtoluene H Calibration Report

Printed: 27-OCT-1988 15:59:18

Quant Basis: Area
Curve Type: Linear

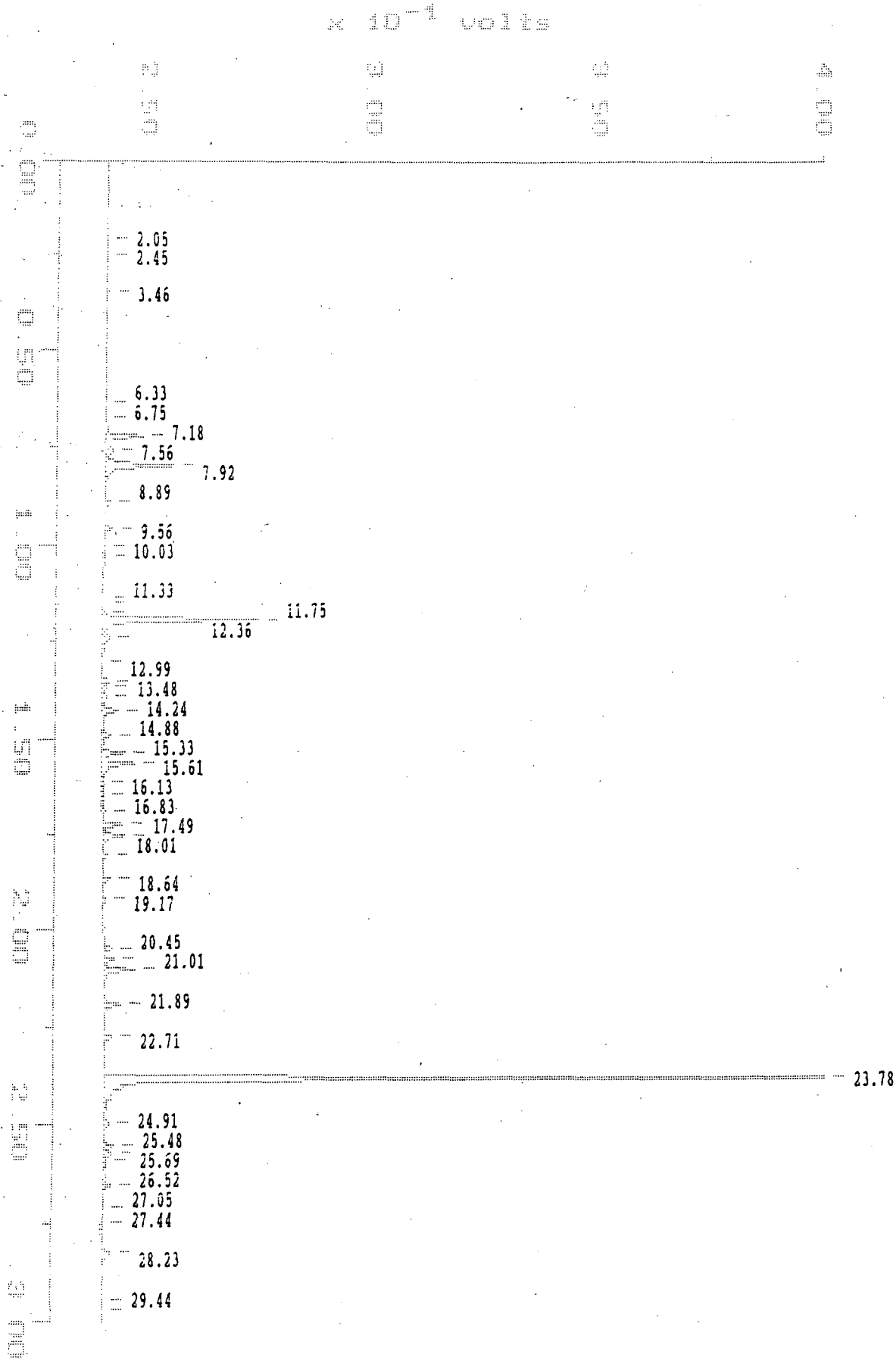
Rejection Tolerance: None
Weighting: None

Internal Standard: None
Forced Through Origin: Yes

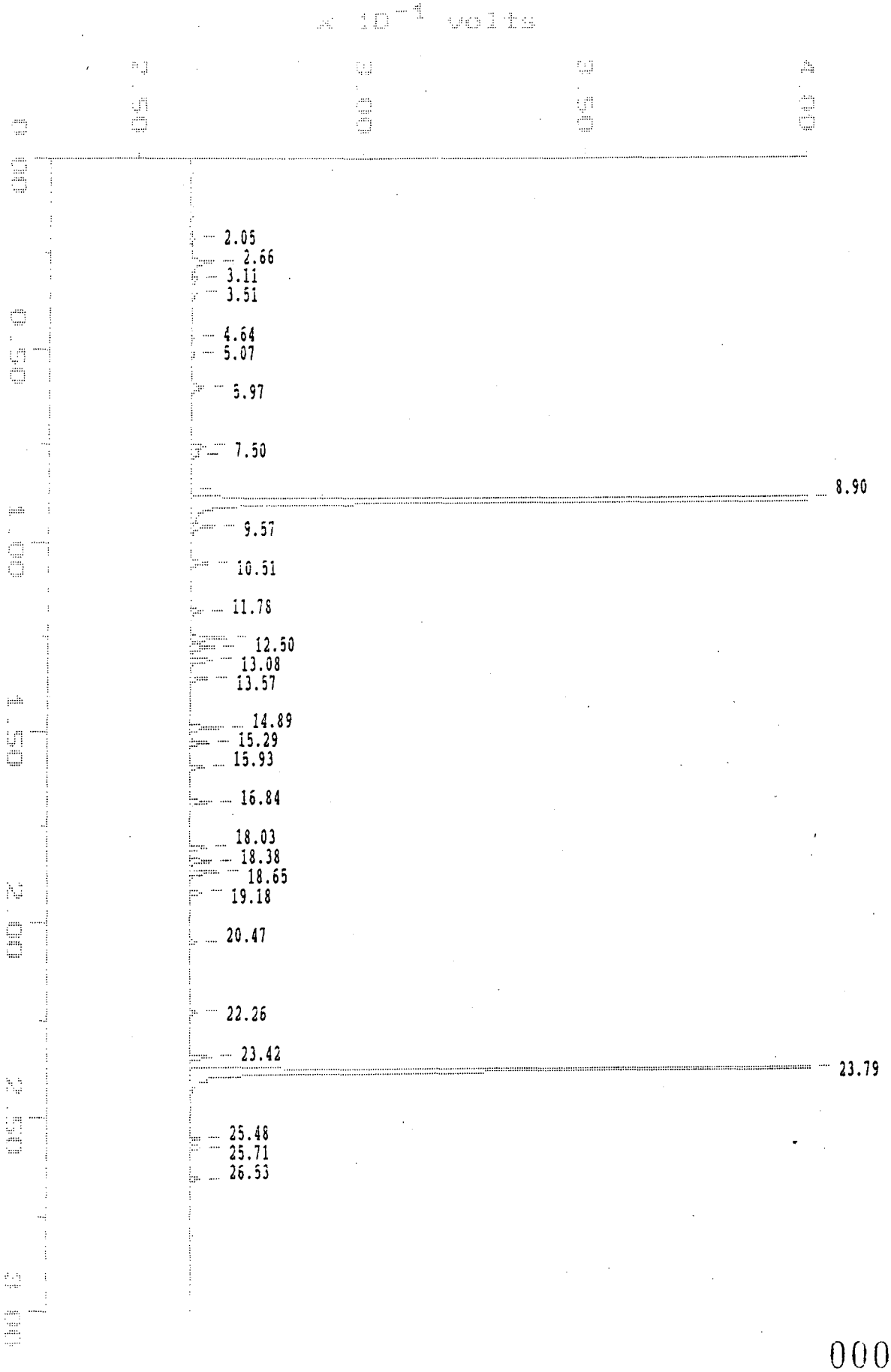
Equation: Conc = 9.897313E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092802	Y	1.000000E+01	1.0103752E+06	1.000000E+01	2.71E-06	9.897314E-06

Sample: 0.1 PPB STD Channel: PID Col:DB-624 Filename: AA092802
Acquired: 28-SEP-88 17:28 Method: C:\MAX\1194\AA0928MA Operator: GRS



Sample: 0.1 PPB STD Channel: HALL Col:DB-624 Filename: AA092802
Acquired: 28-SEP-88 17:28 Method: C:\MAX\1194\AA0928MA Operator: GBS



000485

MAXIMA 820 CUSTOM REPORT

Printed: 27-OCT-1988 15:37:21

SAMPLE: 0.1 PPB STD
#1 in Method: TRACOR 1194 - PROCESSING - SPEC
Acquired: 28-SEP-1988 17:28
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: STND
Instrument: TRACOR 1194
Filename: AA092802
Index: Disk

DETECTOR: PID Col:DB-624

Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/KG)	Component Name
2.050	0.086	BB	175	1001			
2.450	0.103	BB	168	688			
3.458	0.145	BB	310	2577	0.10	0.10	Vinyl Chlorid P
6.325	0.266	BP	254	1456			
6.750	0.284	PB	160	2168			
7.183	0.302	BB	8152	51309	Invalid	Invalid	Diethyl Ether
7.558	0.318	BB	1447	10754	0.10	0.10	1.1-CL2ethene P
7.917	0.333	BB	14749	118015	Invalid	Invalid	Acetone
8.892	0.374	BB	1299	7619			
9.558	0.402	BB	1746	10178	0.10	0.10	t-12-Cl2eten P
10.033	0.422	BP	327	2072			
10.283	0.433	PB	117	694			
11.325	0.476	BP	257	528			
11.458	0.482	PP	199	916			
11.750	0.494	PP	694	2512	0.10	0.10	c-12-CL2etene P
11.892	0.500	PP	34444	228979	Invalid	Invalid	MEK
12.358	0.520	SS	1272	8116	Invalid	Invalid	THF
12.992	0.546	SS	116	623			
13.475	0.567	PP	1665	9393	0.10	0.10	Benzene
13.633	0.573	PP	739	6186			
13.900	0.585	PP	756	5694			
14.242	0.599	PB	3155	20760			
14.875	0.626	BP	1693	12161	0.10	0.10	CL3ethene P
15.333	0.645	PP	4940	32791			
15.608	0.657	PP	7291	58431			
16.125	0.678	SS	286	1636			
16.408	0.690	SS	181	1841	Invalid	Invalid	2-CLethvineth P
16.833	0.708	PP	596	3959	0.14	0.14	c-13-CL2prpen P
17.200	0.723	PP	4098	27344	Invalid	Invalid	MIBK
17.492	0.736	PP	4951	35316	0.10	0.10	Toluene
18.008	0.757	PB	864	6112	0.12	0.12	t-13-CL2prpen P
18.642	0.784	BP	1360	10376	0.10	0.10	CL4ethene P
19.167	0.806	PB	532	3608			
20.450	0.860	BP	2050	12966	0.10	0.10	Chlorobenzene P

20.742	0.872	PP	2515	15210	0.10	0.10	Ethylbenzene
21.008	0.884	PB	6752	42374	0.20	0.20	p/m-Xylene
21.892	0.921	BB	3706	25381	0.16	0.16	o-Xylen/Styrene
22.708	0.955	BB	1949	13387	0.10	0.10	Cumene
23.775	1.000	BB	279446	1426134	10.00	10.00	o-CLtoluene P
24.908	1.048	BB	943	8135			
25.483	1.072	BP	1820	14731	0.10	0.10	13-CL2benzene P
25.692	1.081	PP	1762	10778	0.10	0.10	14-CL2benzene P
25.883	1.089	PB	508	5942			
26.517	1.115	BB	1453	9673	0.10	0.10	12-CL2benzene P
27.050	1.138	BP	210	2371			
27.442	1.154	PB	246	5869			
28.233	1.188	BB	1872	18538			
29.442	1.238	BP	274	2388			
29.642	1.247	PB	124	1339			
TOTAL			404624	2301028	12.02	12.02	

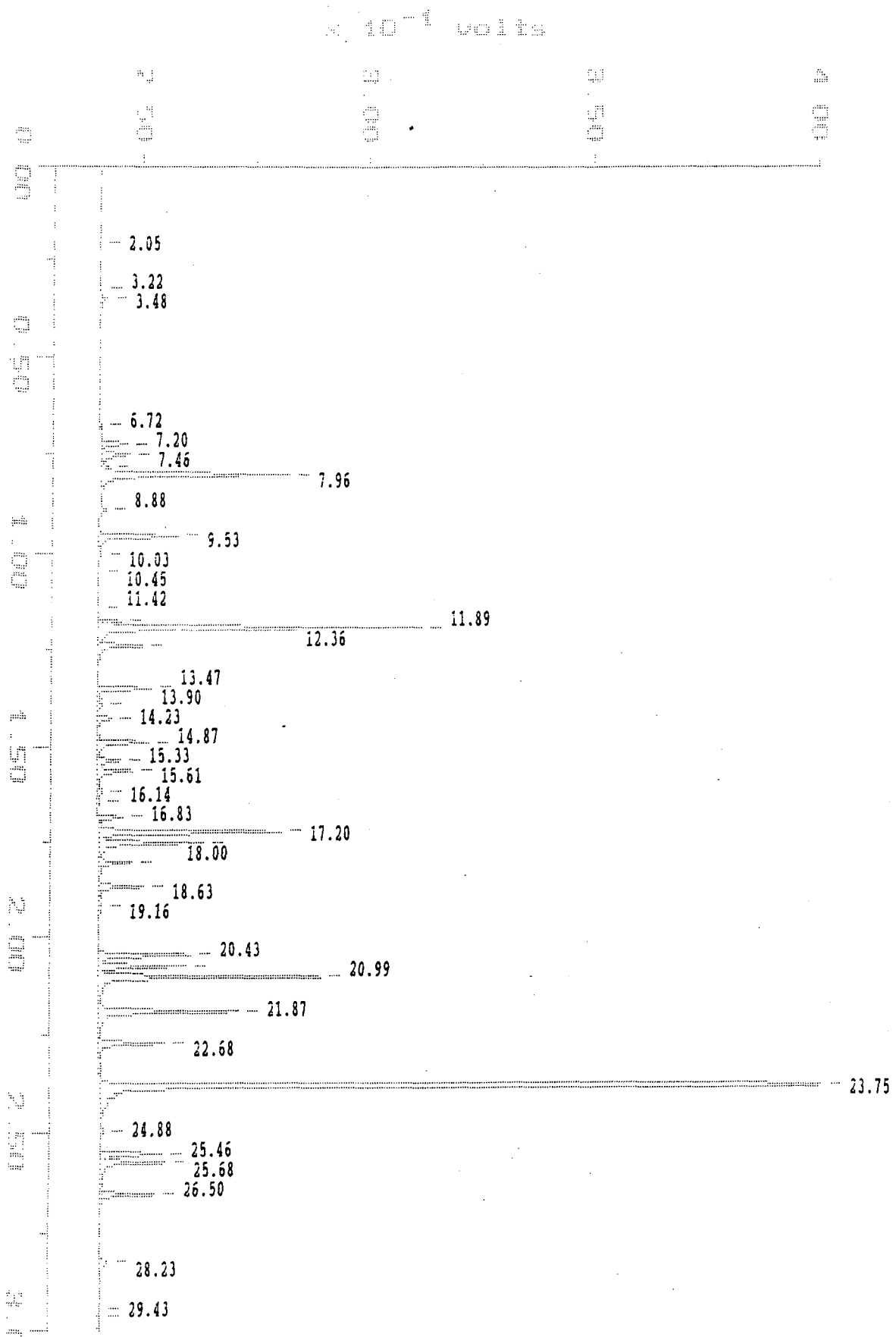
DETECTOR: HALL Col:DB-624

Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/KG)	Component Name
2.050	0.086	BP	592	7089			
2.658	0.112	PP	4635	47059	0.10	0.10	CL2FL2methane
3.108	0.131	PP	1047	14097	0.11	0.11	Chloromethane
3.508	0.147	PB	1116	12162	0.10	0.10	Vinyl Chlorid H
4.642	0.195	BP	445	4035	0.11	0.11	Bromomethane
5.067	0.213	PB	807	7054	0.11	0.11	Chloroethane
5.967	0.251	BB	2661	23658	0.10	0.10	CL3FLmethane
7.500	0.315	BP	3291	22178	0.10	0.10	1,1-CL2ethene H
7.708	0.324	PB	1887	17545			
8.625	0.363	BP	330	2449			
8.900	0.374	PB	300400	1854806	0.10	0.10	CH2CL2
9.567	0.402	SS	4441	25067	0.10	0.10	t-12-CL2eten H
10.508	0.442	BB	3693	24651	0.10	0.10	1,1-CL2ethane
11.775	0.495	BB	2675	15103	0.10	0.10	c-12-CL2etene H
12.500	0.525	BP	7834	48385	0.10	0.10	Chloroform
12.750	0.536	PP	4971	35565	0.10	0.10	1,1,1-CL3ethane
13.083	0.550	PB	4468	29535	0.10	0.10	Carbon CL4
13.567	0.570	BB	3868	23271	0.10	0.10	1,2-CL2ethane
14.892	0.626	BP	7288	45566	0.10	0.10	CL3ethene H
15.292	0.643	PP	4249	28178	0.10	0.10	1,2-CL2propane
15.925	0.669	PB	3541	22504	0.10	0.10	BRCL2methane
16.842	0.708	BB	4690	29264	0.14	0.14	c-13-CL2prpen H
18.033	0.758	BP	3772	22239	0.12	0.12	t-13-CL2prpen H
18.375	0.772	PP	4863	30662	0.10	0.10	1,1,2-CL3ethane

AA093803

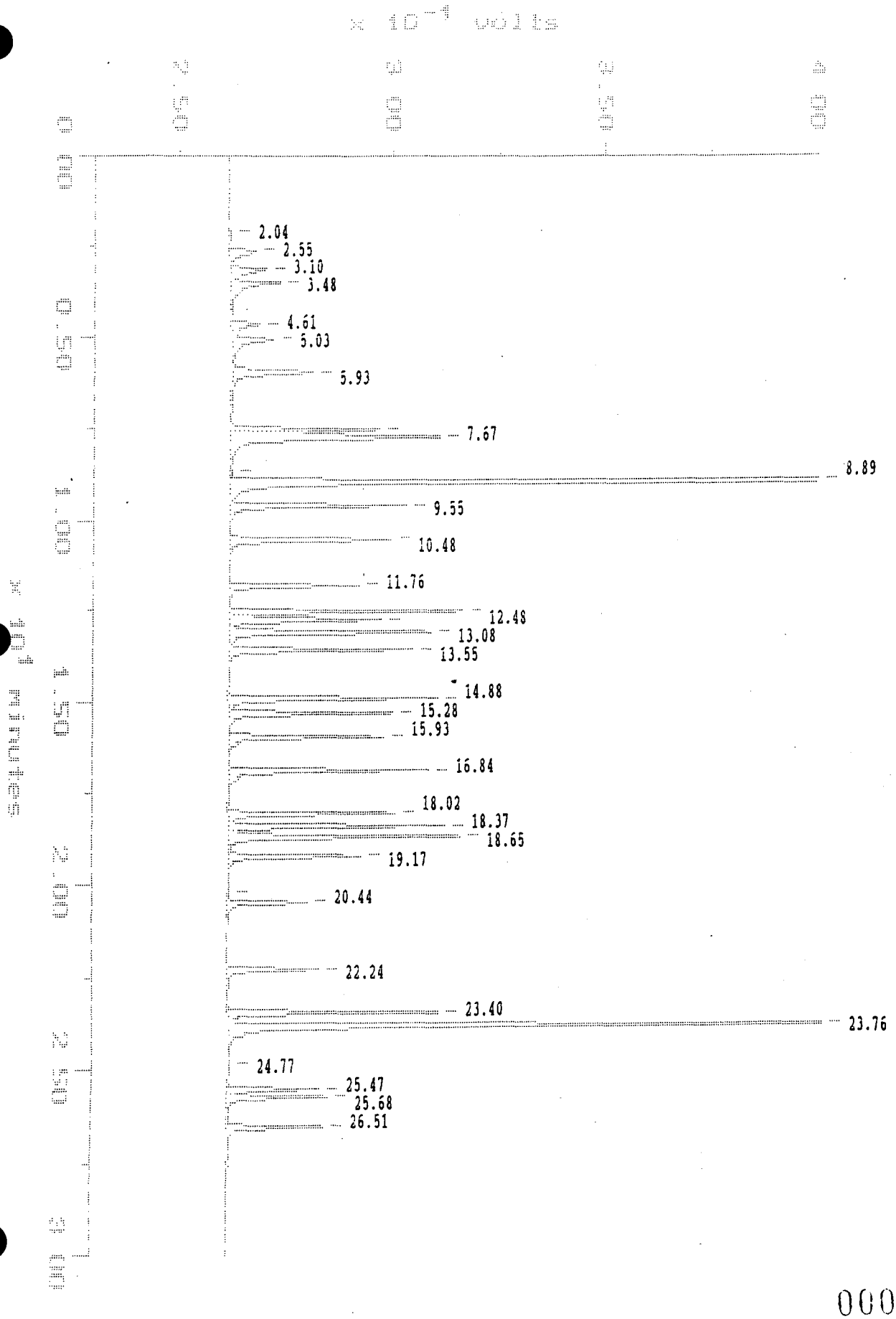
18.650	0.784	PP	6255	40171	0.10	0.10	CL4ethene H
19.175	0.806	PB	2793	17378	0.10	0.10	BR2CLmethane
20.467	0.860	BB	1677	9442	0.10	0.10	Chlorobenzene H
22.258	0.936	BB	1589	9264	0.10	0.10	Bromoform
23.417	0.984	BP	4917	27999	0.10	0.10	1,1,2,2-CL4etha
23.792	1.000	PB	169294	1010375	10.00	10.00	o-CLtoluene H
25.483	1.071	BP	2304	12898	0.10	0.10	13-CL2benzene H
25.708	1.081	PB	2518	15656	0.10	0.10	14-CL2benzene H
26.533	1.115	BB	2478	14072	0.11	0.11	12-CL2benzene H
TOTAL:			571389	3549380	13.00	13.00	

Sample: 1.0 PPB STD Channel: PID Col:DB-624 Filename: AA092803
Acquired: 28-SEP-88 18:12 Method: C:\MAX\1194\AA0928MA Operator:



000489

Sample: 1.0 PPB STD Channel: HALL Col:DB-624 Filename: AA092803
Acquired: 28-SEP-88 18:12 Method: C:\MAX\1194\AA0928MA Operator: GBS



000490

MAXIMA 820 CUSTOM REPORT

Printed: 27-OCT-1988 15:38:36

SAMPLE: 1.0 PPB STD
#2 in Method: TRACOR 1194 - PROCESSING - SPEC
Acquired: 28-SEP-1988 18:12
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: STND
Instrument: TRACOR 1194
Filename: AA092803
Index: Disk

DETECTOR: PID Col:DB-624

Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/KG)	Component Name
2.050	0.086	BB	151	691			
3.217	0.135	BB	210	1428			
3.475	0.146	BB	1332	11367	1.00	1.00	Vinyl Chlorid P
6.717	0.283	BB	221	1025			
7.200	0.303	BP	6084	39387	Invalid	Invalid	Diethyl Ether
7.458	0.314	PP	6278	49700	1.00	1.00	1,1-CL2ethene P
7.775	0.327	PP	1762	8878			
7.958	0.335	PB	41976	293809	5.00	5.00	Acetone
8.875	0.374	BB	1230	6421			
9.533	0.401	BB	17499	108336	1.00	1.00	t-12-Cl2eten P
10.025	0.422	SS	235	1138			
10.450	0.440	SS	105	999			
11.417	0.481	BB	374	3874			
11.742	0.494	BP	5013	23444	1.00	1.00	c-12-CL2etene P
11.892	0.501	PP	71234	397054	5.00	5.00	MEK
12.358	0.520	PB	9903	63856	5.00	5.00	THF
13.467	0.567	BP	12242	73655	1.00	1.00	Benzene
13.900	0.585	SS	701	9034			
14.233	0.599	PP	3234	22843			
14.867	0.626	PP	11507	72791	1.00	1.00	CL3ethene P
15.333	0.646	PP	5221	33464			
15.608	0.657	PP	7823	57266			
16.142	0.680	SV	978	6141			
16.425	0.692	VS	277	2083	Invalid	Invalid	2-CLethvineth P
16.825	0.708	PP	5558	32631	1.40	1.40	c-13-CL2prpen P
17.200	0.724	PP	40270	241908	5.00	5.00	MIBK
17.483	0.736	PP	23092	148026	1.00	1.00	Toluene
18.000	0.758	PP	7547	48950	1.15	1.15	t-13-CL2prpen P
18.633	0.785	PP	9626	59609	1.00	1.00	CL4ethene P
19.158	0.807	PB	579	4815			
20.433	0.860	BP	20189	114859	1.00	1.00	Chlorobenzene P
20.717	0.872	PP	18992	109598	1.00	1.00	Ethylbenzene
20.992	0.884	PP	48969	290263	2.00	2.00	p/m-Xylene
21.867	0.921	PP	30563	214334	1.60	1.60	o-Xylen/Styrene

AA07083

22.683	0.955	PB	14231	95680	1.00	1.00	Cumene
23.750	1.000	BB	279093	1403972	Invalid	Invalid	o-CLtoluene P
24.883	1.048	SS	534	3762			
25.458	1.072	SV	13949	81356	1.00	1.00	13-CL2benzene P
25.675	1.081	VV	14305	102174	1.00	1.00	14-CL2benzene P
26.500	1.116	VS	12369	79544	1.00	1.00	12-CL2benzene P
28.225	1.188	BB	2010	20242			
29.433	1.239	BP	184	1451			
29.633	1.248	PP	150	1886			
30.050	1.265	PB	104	904			
TOTAL			747901	4344648	40.15	40.15	

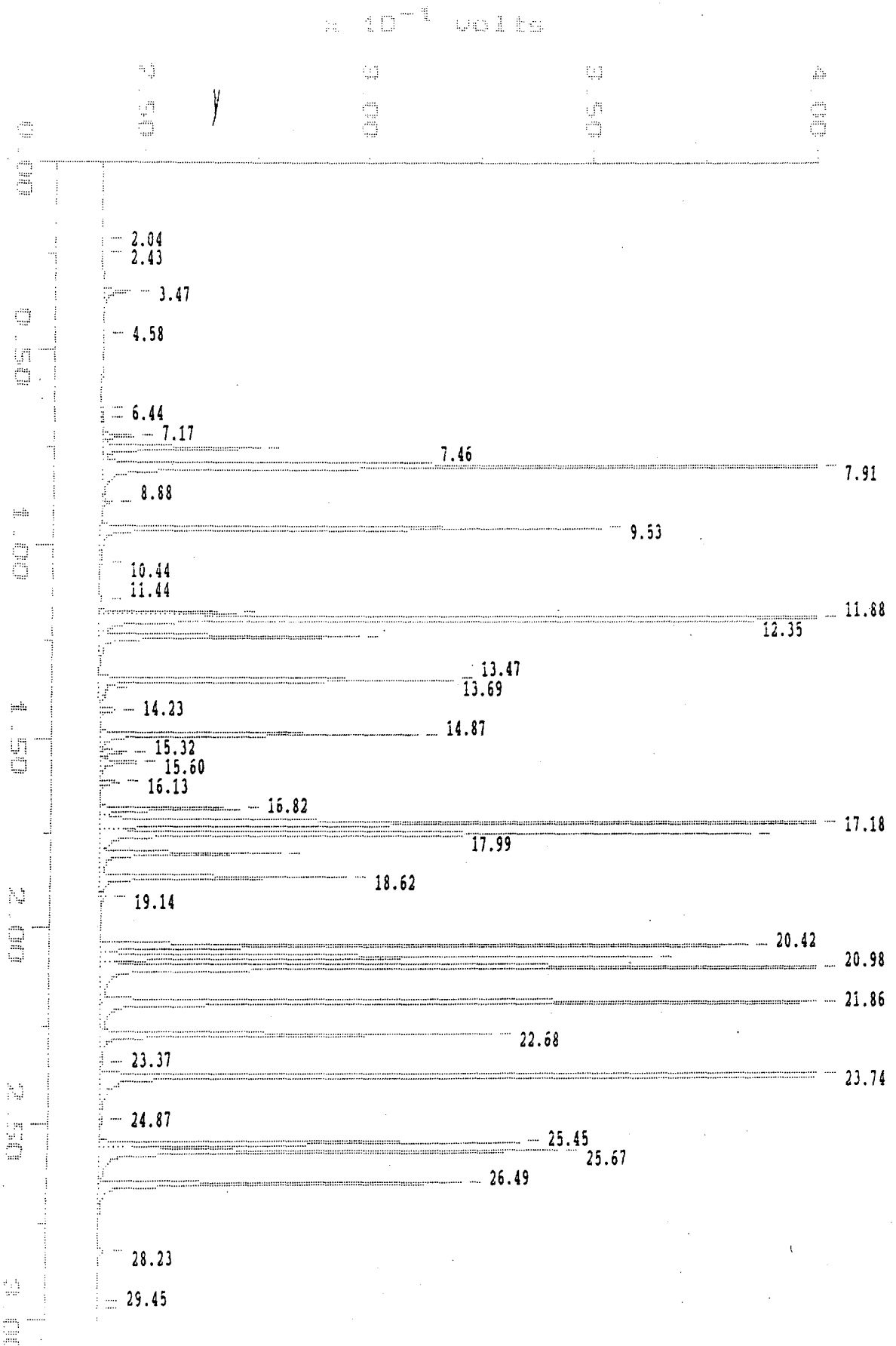
DETECTOR: HALL Col:DB-624

Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/KG)	Component Name
2.042	0.086	BB	578	6533			
2.550	0.107	BB	6001	62465	1.00	1.00	CL2FL2methane
3.100	0.130	BP	8268	85983	1.10	1.10	Chloromethane
3.483	0.147	PB	11580	118925	1.00	1.00	Vinyl Chlorid H
4.608	0.194	BP	6623	64737	1.10	1.10	Bromomethane
5.033	0.212	PB	9571	99463	1.10	1.10	Chloroethane
5.933	0.250	BB	18728	181732	1.00	1.00	CL3FLmethane
7.467	0.314	BP	34763	231219	1.00	1.00	1,1-CL2ethene H
7.667	0.323	PP	49233	545228			
8.608	0.362	PP	501	4838			
8.892	0.374	PP	302131	1873458	1.00	1.00	CH2CL2
9.550	0.402	PP	41552	277976	1.00	1.00	t-12-CL2eten H
10.483	0.441	PB	37785	267984	1.00	1.00	1,1-CL2ethane
11.758	0.495	BP	30459	196002	1.00	1.00	c-12-CL2etene H
12.483	0.525	PP	54585	344673	1.00	1.00	Chloroform
12.725	0.536	PP	35622	274059	1.00	1.00	1,1,1-CL3ethane
13.075	0.550	PP	47274	352352	1.00	1.00	Carbon CL4
13.550	0.570	PB	42915	279371	1.00	1.00	1,2-CL2ethane
14.875	0.626	BP	48934	326645	1.00	1.00	CL3ethene H
15.275	0.643	PP	38226	260078	1.00	1.00	1,2-CL2propane
15.925	0.670	PP	36349	250714	1.00	1.00	BRCL2methane
16.842	0.709	PB	46700	315239	1.40	1.40	c-13-CL2prpen H
18.017	0.758	BP	38810	240083	1.15	1.15	t-13-CL2prpen H
18.367	0.773	PP	50104	312949	1.00	1.00	1,1,2-CL3ethane
18.650	0.785	PP	53860	359169	1.00	1.00	CL4ethene H
19.167	0.807	PB	31033	206443	1.00	1.00	BR2CLmethane
20.183	0.850	BP	134	710			
20.442	0.860	PB	18660	115950	1.00	1.00	Chlorobenzene H
22.242	0.936	BB	21052	135305	1.00	1.00	Bromoform

AA09863

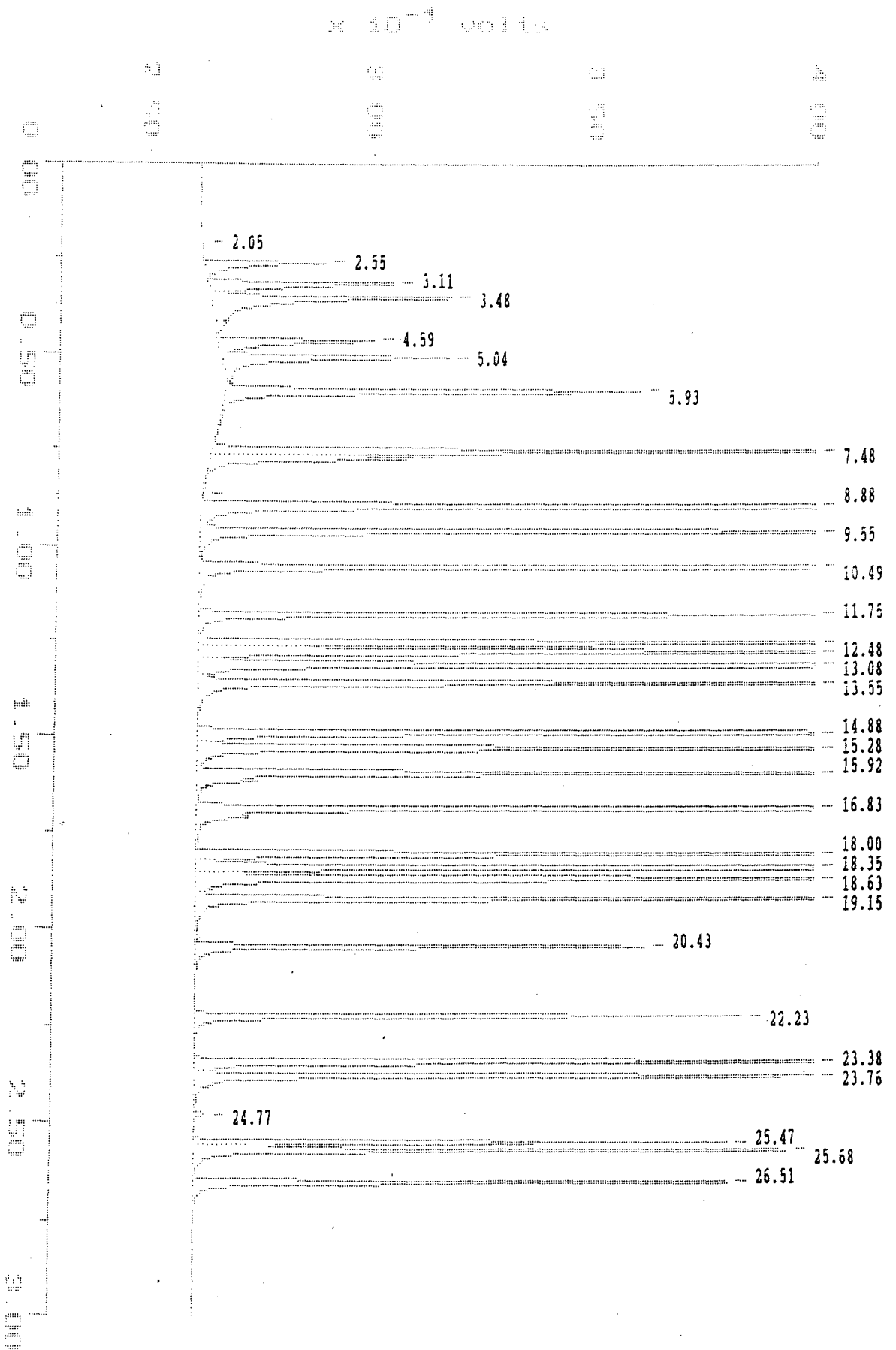
23.400	0.985	BP	49077	296148	1.00	1.00	1,1,2,2-CL4etha
23.758	1.000	PB	172735	1040566	Invalid	Invalid	o-CLtoluene H
24.767	1.042	SS	342	1847			
25.467	1.072	BP	21327	128340	1.00	1.00	13-CL2benzene H
25.683	1.081	PP	23358	153114	1.00	1.00	14-CL2benzene H
26.508	1.116	PB	22415	142921	1.00	1.00	12-CL2benzene H
TOTAL			1411284	9553214	29.85	29.85	

Sample: 5.0 PPB STD Channel: PID Col:DB-624 Filename: AA092804
Acquired: 28-SEP-88 18:54 Method: C:\MAX\1194\AA0928MA Operator: GBS



000494

Sample: 5.0 PPB STD Channel: HALL Col:DB-624 Filename: AA092804
Acquired: 28-SEP-88 18:54 Method: C:\MAX\1194\AA0928MA Operator:



000495

MAXIMA 820 CUSTOM REPORT

Printed: 27-OCT-1988 15:39:56

SAMPLE: 5.0 PPB STD
#3 in Method: TRACOR 1194 - PROCESSING - SPEC
Acquired: 28-SEP-1988 18:54
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: STND
Instrument: TRACOR 1194
Filename: AA092804
Index: Disk

DETECTOR: PID Col:DB-624

Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/KG)	Component Name
2.042	0.086	BB	166	1393			
2.433	0.102	BB	156	682			
3.467	0.146	BB	6161	54611	5.00	5.00	Vinyl Chlorid P
4.575	0.193	SS	154	1236			
6.442	0.271	BP	255	1994			
6.717	0.283	PB	136	1068			
7.167	0.302	BP	6648	42233	Invalid	Invalid	Diethyl Ether
7.458	0.314	PP	35096	235416	5.00	5.00	1,1-CL2ethene P
7.908	0.333	PB	224347	1422222	25.00	25.00	Acetone
8.875	0.374	BB	1769	8953			
9.533	0.402	BB	111355	595089	5.00	5.00	t-12-Cl2eten P
10.442	0.440	SS	139	859			
11.442	0.482	BB	359	3897			
11.742	0.495	BP	30162	134669	5.00	5.00	c-12-CL2etene P
11.875	0.500	PP	297759	1573333	25.00	25.00	MEK
12.350	0.520	PP	57638	366013	25.00	25.00	THF
13.467	0.567	PP	78950	441538	5.00	5.00	Benzene
13.692	0.577	SS	818	7311			
14.233	0.600	SS	3421	23474			
14.867	0.626	PP	70798	413152	5.00	5.00	CL3ethene P
15.317	0.645	SV	5605	33693			
15.600	0.657	VS	7865	52179			
16.125	0.679	SS	4336	30292			
16.817	0.708	PP	30811	170956	7.00	7.00	c-13-CL2prpen P
17.175	0.723	PP	304726	1614554	25.00	25.00	MIBK
17.467	0.736	PP	144621	784628	5.00	5.00	Toluene
17.992	0.758	PP	40137	251325	5.75	5.75	t-13-CL2prpen P
18.617	0.784	PB	54495	328481	5.00	5.00	CL4ethene P
19.142	0.806	SS	670	4274			
20.417	0.860	BP	143596	685745	5.00	5.00	Chlorobenzene P
20.708	0.872	PP	122162	629121	5.00	5.00	Ethylbenzene
20.975	0.883	PP	346181	1780819	10.00	10.00	p/m-Xylene
21.858	0.921	PP	224074	1291381	8.00	8.00	o-Xylen/Styrene
22.675	0.955	PB	86740	491266	5.00	5.00	Cumene

AN093C4

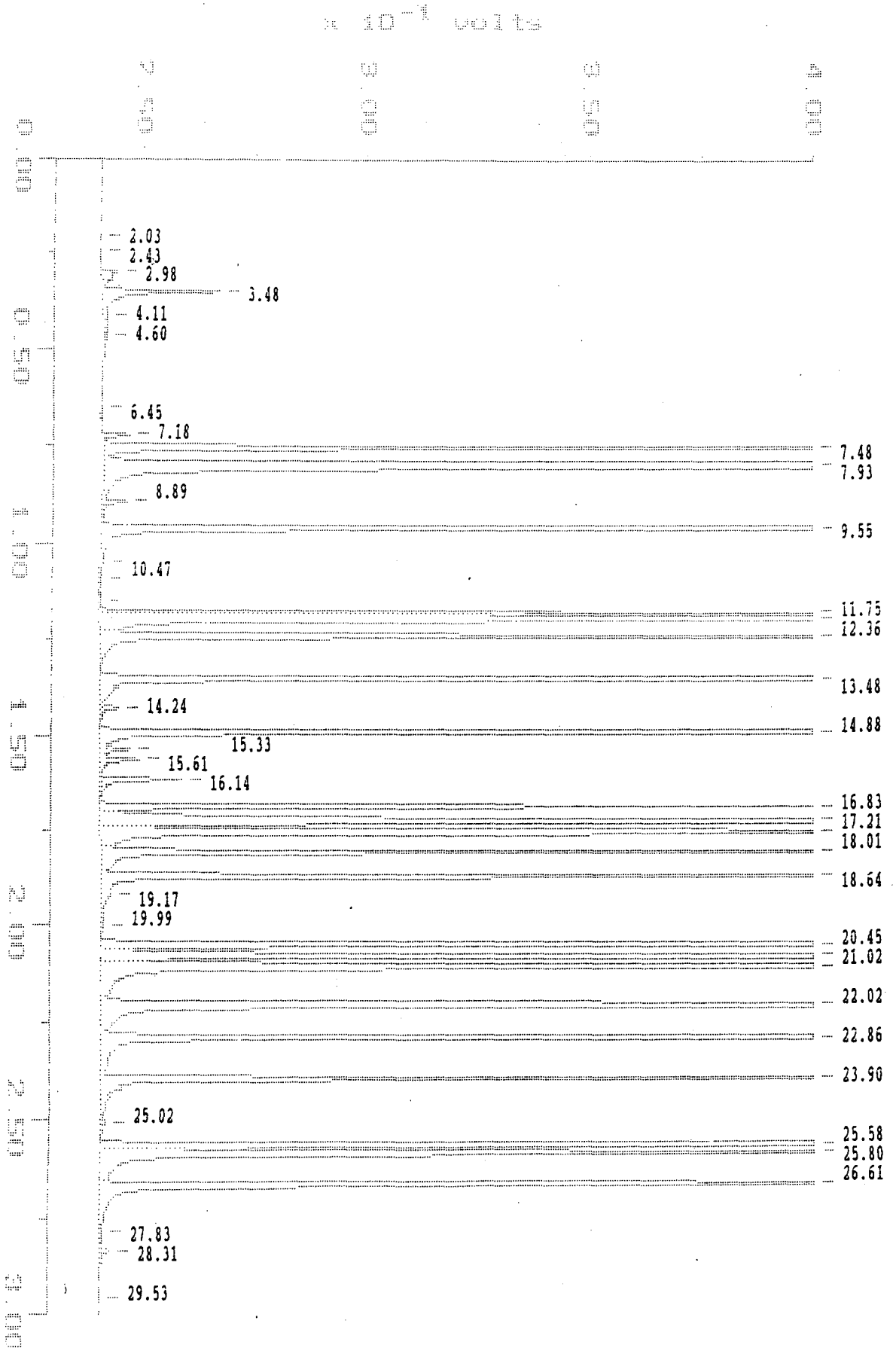
23.367	0.984	SS	277	1351			
23.742	1.000	BP	270305	1409611	Invalid	Invalid	o-CLtoluene P
24.867	1.047	SS	666	5456			
25.450	1.072	PP	92977	477815	5.00	5.00	13-CL2benzene P
25.667	1.081	PP	101244	562671	5.00	5.00	14-CL2benzene P
26.492	1.116	PB	79720	456072	5.00	5.00	12-CL2benzene P
28.225	1.189	BB	1348	14129			
29.450	1.240	BP	188	1635			
29.667	1.250	PB	142	1141			
TOTAL			2989176	16407734	200.75	200.75	

DETECTOR: HALL Col:DB-624

Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/KG)	Component Name
2.050	0.086	BP	452	3456			
2.550	0.107	PP	27516	222452	5.00	5.00	CL2FL2methane
3.108	0.131	PP	41902	415074	5.50	5.50	Chloromethane
3.475	0.146	PB	54246	622262	5.00	5.00	Vinyl Chlorid H
4.592	0.193	BP	35163	327882	5.50	5.50	Bromomethane
5.042	0.212	PB	50634	492827	5.50	5.50	Chloroethane
5.925	0.249	BB	93447	838943	5.00	5.00	CL3FLmethane
7.475	0.315	BP	176355	1245006	5.00	5.00	1,1-CL2ethene H
7.667	0.323	PP	45735	421086			
8.592	0.362	SS	166	1099			
8.883	0.374	PP	464317	2815803	5.00	5.00	CH2CL2
9.550	0.402	PP	217825	1375306	5.00	5.00	t-12-CL2eten H
10.492	0.442	PP	203347	1394387	5.00	5.00	1,1-CL2ethane
11.750	0.495	PP	157344	987540	5.00	5.00	c-12-CL2etene H
12.483	0.525	PP	277647	1700945	5.00	5.00	Chloroform
12.725	0.536	PP	178995	1351579	5.00	5.00	1,1,1-CL3ethane
13.075	0.550	PP	251123	1796673	5.00	5.00	Carbon CL4
13.550	0.570	PP	223621	1437109	5.00	5.00	1,2-CL2ethane
14.875	0.626	PP	268239	1639433	5.00	5.00	CL3ethene H
15.275	0.643	PP	200965	1338970	5.00	5.00	1,2-CL2propane
15.917	0.670	PP	189946	1301714	5.00	5.00	BRCL2methane
16.825	0.708	PP	247141	1641637	7.00	7.00	c-13-CL2prpen H
18.000	0.758	PP	203664	1248431	5.75	5.75	t-13-CL2prpen H
18.350	0.772	PP	266417	1610427	5.00	5.00	1,1,2-CL3ethane
18.633	0.784	PP	280365	1833013	5.00	5.00	CL4ethene H
19.150	0.806	PP	166333	1097397	5.00	5.00	BR2CLmethane
20.425	0.860	PB	100582	633446	5.00	5.00	Chlorobenzene H
22.225	0.935	BP	122116	754591	5.00	5.00	Bromoform
23.383	0.984	PP	262487	1529185	5.00	5.00	1,1,2,2-CL4etha
23.758	1.000	PB	170977	1084086	Invalid	Invalid	o-CLtoluene H

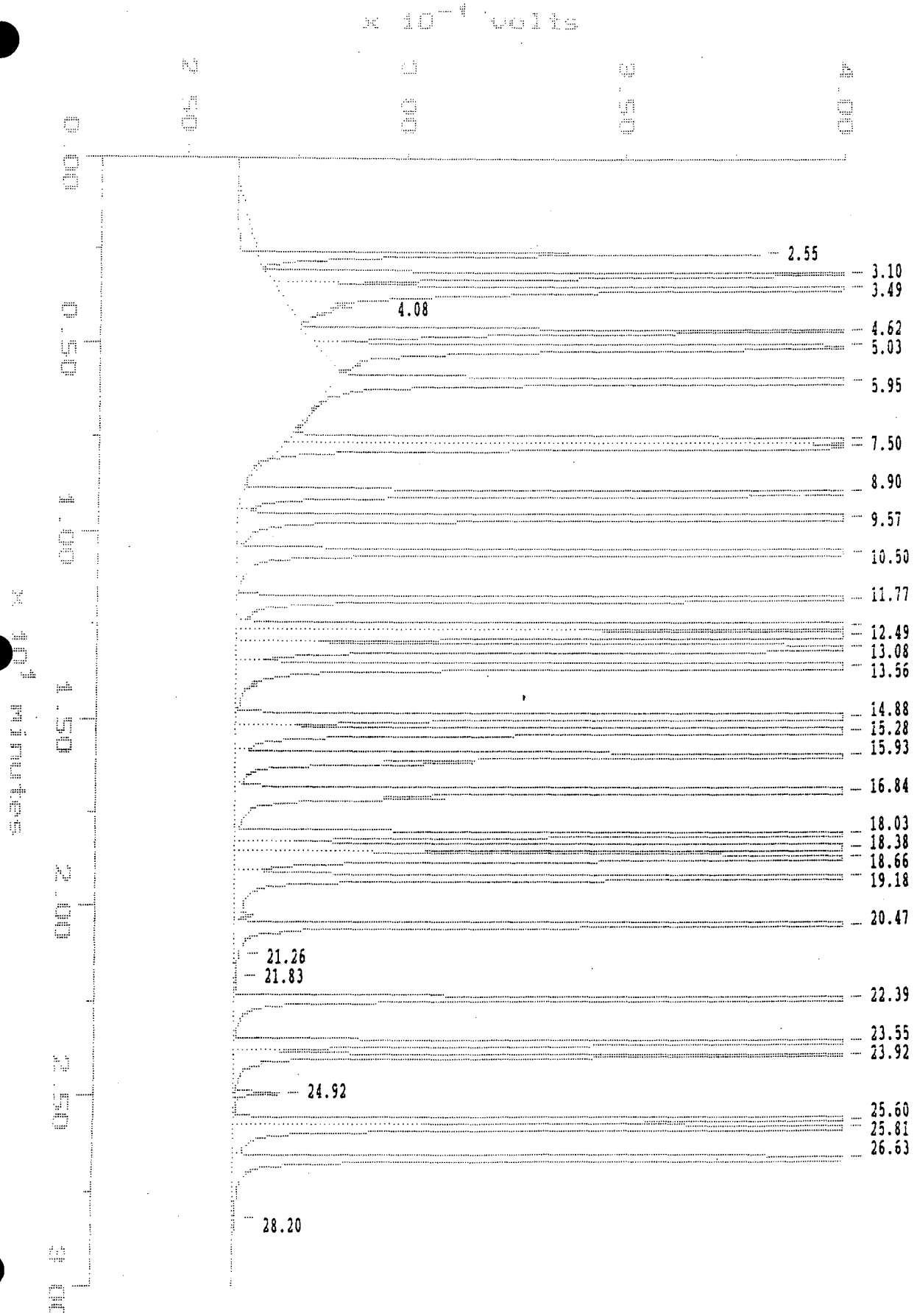
24.767	1.042	SS	2265	14105			
25.467	1.072	BP	118880	683074	5.00	5.00	13-CL2benzene H
25.683	1.081	PP	132061	831864	5.00	5.00	14-CL2benzene H
26.508	1.116	PB	118893	749066	5.00	5.00	12-CL2benzene H
TOTAL			5351166	35439866	149.25	149.25	

Sample: 20 PPB STD Channel: PID Col:DB-624 Filename: AA092805
Acquired: 28-SEP-88 19:35 Method: C:\MAX\1194\AA0928MA Operator: GBS



000499

Sample: 20 PPB STD Channel: HALL Col:DB-624 Filename: AA092805
Acquired: 28-SEP-88 19:35 Method: C:\MAX\1194\AA0928MA Operator:



000500

MAXIMA 820 CUSTOM REPORT

Printed: 27-OCT-1988 15:41:18

SAMPLE: 20 PPB STD
#4 in Method: TRACOR 1194 - PROCESSING - SPEC
Acquired: 28-SEP-1988 19:35
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: STND
Instrument: TRACOR 1194
Filename: AA092805
Index: Disk

DETECTOR: PID Col:DB-624

Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/KG)	Component Name
2.033	0.085	BB	130	1203			
2.433	0.102	BP	178	1414			
2.975	0.124	PP	3691	48773			
3.475	0.145	PB	26194	246526	20.00	20.00	Vinyl Chlorid P
4.108	0.172	SV	273	4187			
4.600	0.192	VS	610	6606			
6.450	0.270	BP	207	1413			
7.183	0.301	PP	5997	32493	Invalid	Invalid	Diethyl Ether
7.475	0.313	PP	193446	1112023	20.00	20.00	1,1-CL2ethene P
7.925	0.332	PP	1034882	6579758	100.00	100.00	Acetone
8.892	0.372	SS	4704	27307			
9.550	0.400	PP	577880	2942267	20.00	20.00	t-12-Cl2eten P
10.467	0.438	SS	323	2065			
10.925	0.457	SS	157	1006			
11.458	0.479	SS	381	4098			
11.750	0.492	PP	169668	739213			
11.892	0.498	PP	1150477	6383266	20.00	20.00	c-12-CL2etene P
12.358	0.517	PP	333449	1832637	100.00	100.00	THF
13.475	0.564	PP	441266	2300514	20.00	20.00	Benzene
14.242	0.596	SS	3884	26509			
14.875	0.622	PP	317913	1840592	20.00	20.00	CL3ethene P
15.333	0.642	SV	5400	29589			
15.608	0.653	VS	8130	49368			
16.142	0.675	SS	18251	115522			
16.833	0.704	PP	172369	857355	28.00	28.00	c-13-CL2prpen P
17.208	0.720	PP	1397342	7765770	100.00	100.00	MIBK
17.492	0.732	PP	740483	3780177	20.00	20.00	Toluene
18.008	0.753	PP	225180	1176248	23.00	23.00	t-13-CL2prpen P
18.642	0.780	PP	271838	1533858	20.00	20.00	CL4ethene P
19.167	0.802	SS	1097	6921			
19.992	0.836	SS	156	1376			
20.450	0.856	PP	724112	3593128	20.00	20.00	Chlorobenzene P
20.742	0.868	PP	637835	3260336	20.00	20.00	Ethylbenzene
21.017	0.879	PP	1568319	8296236	40.00	40.00	p/m-Xylene

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22.017	0.921	PP	1057738	6364059	32.00	32.00	o-Xylen/Styrene
22.658	0.956	PP	481964	2520424	20.00	20.00	Cumene
23.900	1.000	PP	283885	1500495	Invalid	Invalid	o-Chtoluene P
25.017	1.047	SS	819	5410			
25.583	1.070	PP	551928	2699043	20.00	20.00	13-CL2benzene P
25.800	1.079	PP	606333	3049027	20.00	20.00	14-CL2benzene P
26.608	1.113	PB	464920	2437011	20.00	20.00	12-CL2benzene P
27.833	1.165	SS	126	679			
28.308	1.184	SS	1467	13453			
29.533	1.236	BB	205	2952			
TOTAL			13485611	73192310	703.00	703.00	

DETECTOR: HALL Col:DB-624

Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/KG)	Component Name
2.550	0.107	BP	114658	506414	20.00	20.00	CL2FL2methane
3.100	0.130	PP	155234	1677119	22.00	22.00	Chloromethane
3.492	0.146	PB	238800	2489715	20.00	20.00	Vinyl Chlorid H
4.075	0.170	SS	1317	13501			
4.617	0.193	BP	152460	1367052	22.00	22.00	Bromomethane
5.033	0.210	PB	208344	2072467	22.00	22.00	Chloroethane
5.950	0.249	BB	382230	3387743	20.00	20.00	CL3FLmethane
7.500	0.314	BP	745905	4911185	20.00	20.00	1,1-CL2ethene H
7.683	0.321	PB	152471	1507898			
8.900	0.372	BP	1170867	6892228	20.00	20.00	CH2CL2
9.567	0.400	PP	906475	5469753	20.00	20.00	t-12-CL2eten H
10.500	0.439	PP	843113	5496665	20.00	20.00	1,1-CL2ethane
11.767	0.492	PP	675809	3987989	20.00	20.00	c-12-CL2etene H
12.492	0.522	PP	1152495	6832423	20.00	20.00	Chloroform
12.733	0.532	PP	734427	5348224	20.00	20.00	1,1,1-CL3ethane
13.083	0.547	PP	1030518	7220883	20.00	20.00	Carbon CL4
13.558	0.567	PP	954886	5791701	20.00	20.00	1,2-CL2ethane
14.883	0.622	PP	1095172	6588450	20.00	20.00	CL3ethene H
15.283	0.639	PP	824142	5420291	20.00	20.00	1,2-CL2propane
15.925	0.666	PP	786202	5237456	20.00	20.00	BRCL2methane
16.842	0.704	PP	1076816	6687906	28.00	28.00	c-13-CL2prpen H
18.025	0.754	PP	888772	5062016	23.00	23.00	t-13-CL2prpen H
18.375	0.768	PP	1120418	6539387	20.00	20.00	1,1,2-CL3ethane
18.658	0.780	PP	1178678	7332317	20.00	20.00	CL4ethene H
19.175	0.802	PP	717216	4481308	20.00	20.00	BR2CLmethane
20.467	0.856	PP	432397	2608847	20.00	20.00	Chlorobenzene H
21.258	0.889	SS	266	1880			
21.833	0.913	SS	315	2700			
22.392	0.936	PP	507634	3105109	20.00	20.00	Bromoform

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23.550	0.985	PP	1103618	6222877	20.00	20.00	1,1,2,2-CL4etha
23.917	1.000	PP	187750	1230068	Invalid	Invalid	o-CLtoluene H
24.917	1.042	SS	10015	62571			
25.600	1.070	PP	547350	3009724	20.00	20.00	13-CL2benzene H
25.808	1.079	PP	625553	3675979	20.00	20.00	14-CL2benzene H
26.625	1.113	PB	572274	3358645	20.00	20.00	12-CL2benzene H
28.200	1.179	SS	337	2255			
30.483	1.275	BB	247	1667			
TOTAL			21295181	135604413	597.00	597.00	

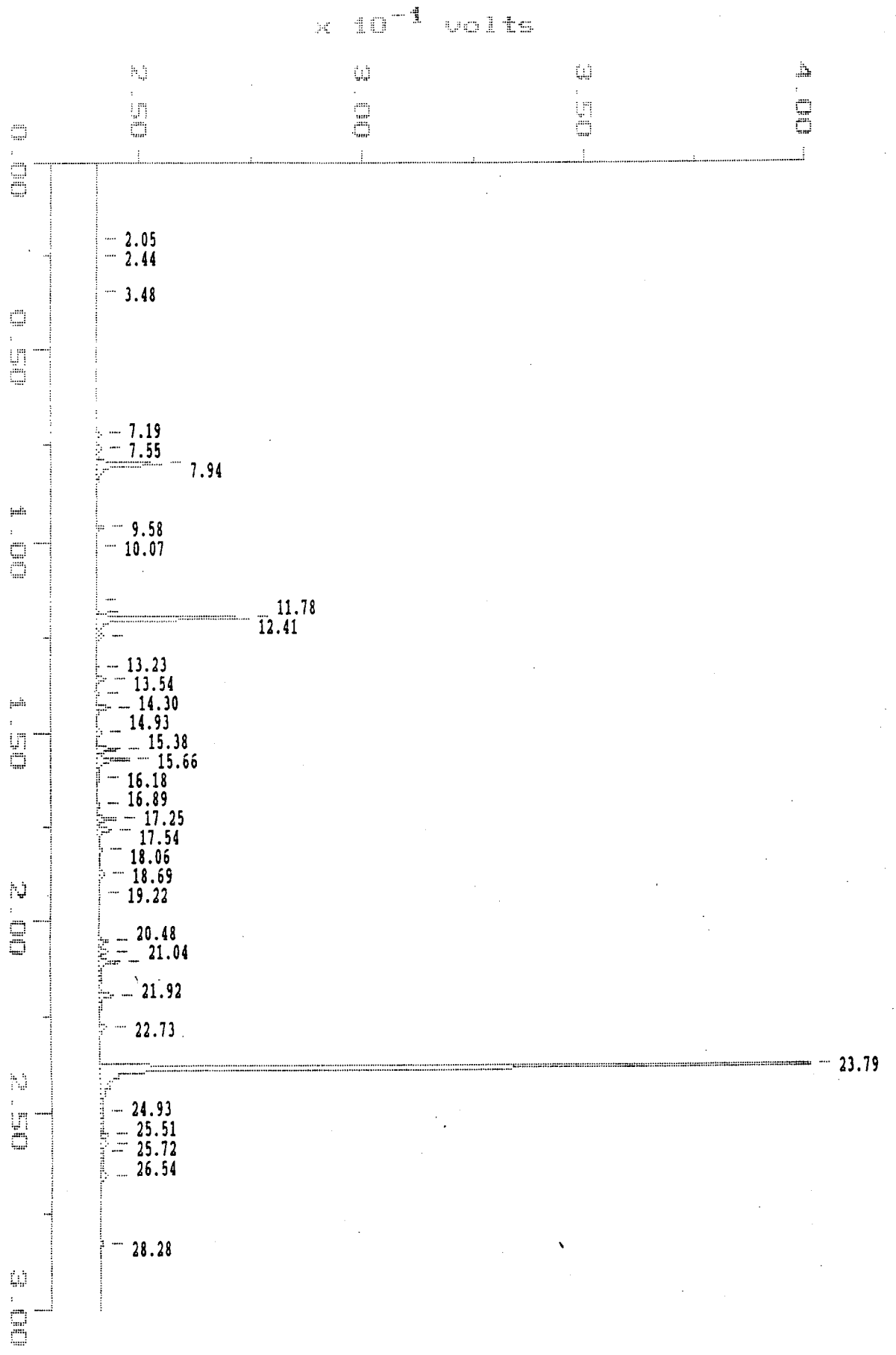
Printed: 15-NOV-1988 10:37:41

Quant Basis: Area | Rejection Tolerance: None | Internal Standard: None
Curve Type: Linear | Weighting: 1 / Conc | Forced Through Origin: No
Corr. Coef. (r): 0.99976760 | Coef. of Determination (r^2): 0.99953526

Equation: Conc = -4.424821E-02 + 3.878849E-06 * R

Sample	File Name	Valid	Concentration	Response	Calc'd Concentration	% Deviation	Response Factor
0.1 PPB STD	AA092901	Y	1.000000E-01	3.6232773E+04	9.629325E-02	3.85E+00	2.759932E-06
1.0 PPB STD	AA092902	Y	1.000000E+00	2.7084712E+05	1.006327E+00	-6.29E-01	3.692120E-06
5.0 PPB STD	AA092903	Y	5.000000E+00	1.3544955E+06	5.209635E+00	-4.02E+00	3.691411E-06
20 PPB STD	AA092904	Y	2.000000E+01	5.1098985E+06	1.977628E+01	1.13E+00	3.913972E-06

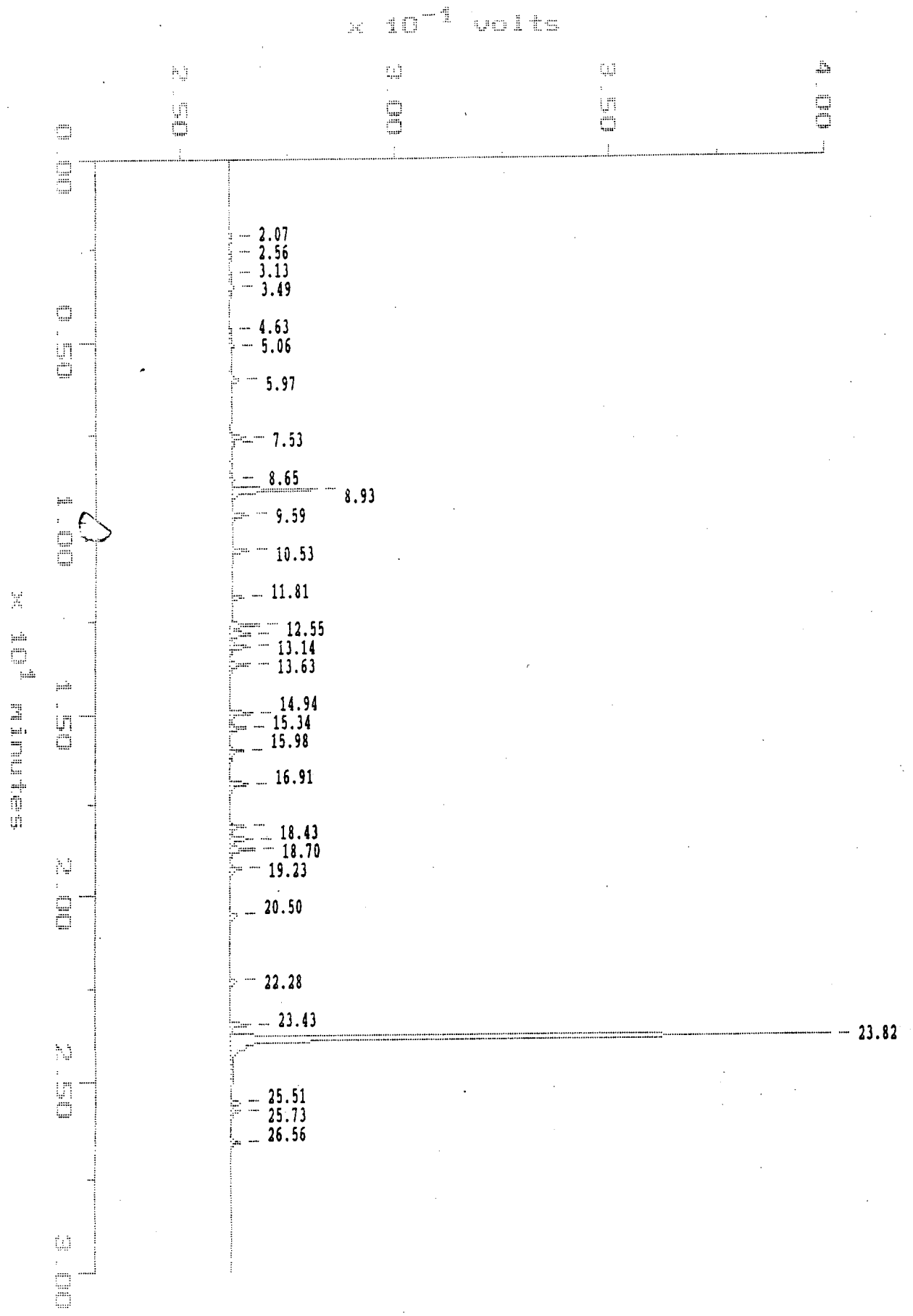
Sample: 0.1 PPB STD Channel: PID Col:DB-624 Filename: AA092901
Acquired: 29-SEP-88 8:46 Method: C:\MAX\1194\AA0929MA Operator: CBS



Sample: 0.1 PPB STD
Acquired: 29-SEP-88 8:46

Channel: HALL Col:DB-624
Method: C:\MAX\1194\AA0929MA

Filename: AA092901
Operator: GBS



000506

MAXIMA 820 CUSTOM REPORT

Printed: 9-NOV-1988 9:50:39

SAMPLE: 0.1 PPB STD
Type: STND
#1 in Method: TRACOR 1194 - PROCESSING - SPEC
Instrument: TRACOR 1194
Acquired: 29-SEP-1988 8:46
Filename: AA092901
Rate: 2.0 points/sec
Index: Disk
Duration: 31.000 minutes
Operator:

DETECTOR: PID Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.050	BP	2491			
2	2.442	PB	1789			
3	3.475	BB	2170	0.10	0.10	Vinyl Chlorid P
4	7.192	BP	6300	Invalid	Invalid	Diethyl Ether
5	7.550	PP	8477	0.10	0.10	1,1-CL2ethene P
6	7.942	PB	122265	Invalid	Invalid	Acetone
7	9.583	BP	12344	0.10	0.10	t-12-Cl2eten P
8	10.067	PB	2655			
9	11.475	BB	2132			
10	11.775	BP	2376	0.10	0.10	c-12-CL2etene P
11	11.933	PP	227498	Invalid	Invalid	MEK
12	12.408	SS	6568	Invalid	Invalid	THF
13	13.225	PP	2628			
14	13.542	PP	14723	0.10	0.10	Benzene
15	13.958	PP	3407			
16	14.300	PP	24156			
17	14.933	PP	8653	0.10	0.10	CL3ethene P
18	15.383	PP	32910			
19	15.658	PP	58260			
20	16.175	SS	1727			
21	16.892	PP	3418	0.14	0.14	c-13-CL2prpen P
22	17.250	PP	25467	Invalid	Invalid	MIBK
23	17.542	PP	23256	0.10	0.10	Toluene
24	18.058	PB	6323	0.12	0.12	t-13-CL2prpen P
25	18.692	BB	8917	0.10	0.10	CL4ethene P
26	19.217	BB	1988			
27	20.483	BP	12432	0.10	0.10	Chlorobenzene P
28	20.767	PP	11970	0.10	0.10	Ethylbenzene
29	21.042	PP	32915	0.20	0.20	p/m-Xylene
30	21.917	PB	20906	0.16	0.16	o-Xylen/Styrene
31	22.733	BB	9285	0.10	0.10	Cumene
32	23.792	BB	1354179	10.00	10.00	o-CLtoluene P
33	24.925	SS	2202			
34	25.508	SV	8677	0.10	0.10	13-CL2benzene P

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35	25.717	VV	8708	0.10	0.10	14-CL2benzene P
36	25.925	VV	6676			
37	26.542	VS	16994	0.10	0.10	12-CL2benzene P
38	28.275	BB	8264			
39	30.100	BB	960			
TOTAL			2107066	12.02	12.02	

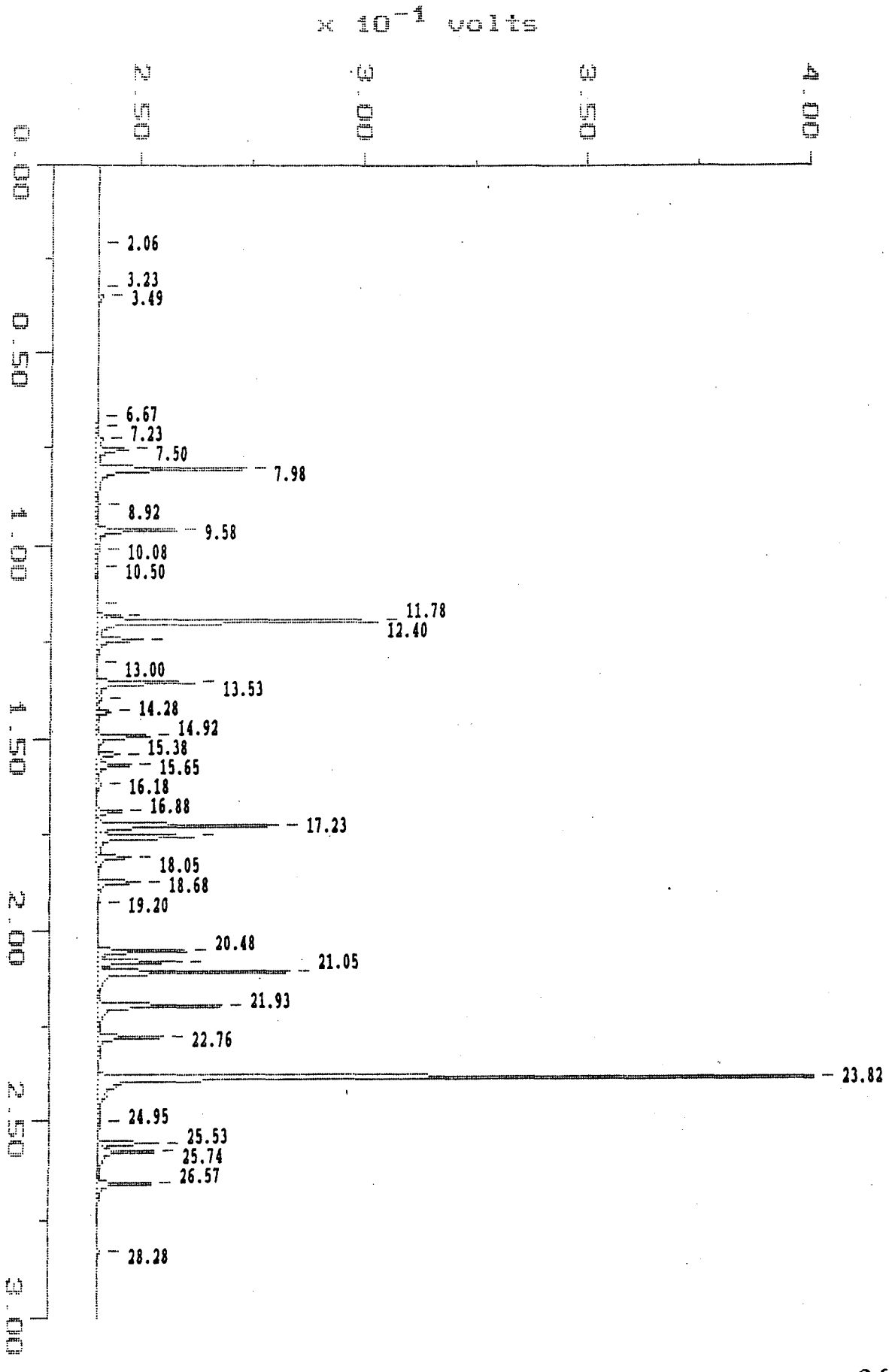
DETECTOR: HALL Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.067	BP	5164			
2	2.558	PP	4757	0.10	0.10	CL2FL2methane
3	3.133	PP	6383	0.11	0.11	Chloromethane
4	3.492	PB	6490	0.10	0.10	Vinyl Chlorid H
5	4.625	BP	2611	0.11	0.11	Bromomethane
6	5.058	PB	7630	0.11	0.11	Chloroethane
7	5.967	BB	15600	0.10	0.10	CL3FLmethane
8	7.525	BP	22519	0.10	0.10	1,1-CL2ethene H
9	7.700	PB	6825			
10	8.650	BP	4425			
11	8.933	PP	129049	0.10	0.10	CH2CL2
12	9.592	PB	25107	0.10	0.10	t-12-CL2eten H
13	10.533	BB	24372	0.10	0.10	1,1-CL2ethane
14	11.808	BB	16595	0.10	0.10	c-12-CL2etene H
15	12.550	BP	40686	0.10	0.10	Chloroform
16	12.800	PP	36233	0.10	0.10	1,1,1-CL3ethane
17	13.142	PP	32637	0.10	0.10	Carbon CL4
18	13.625	PB	27535	0.10	0.10	1,2-CL2ethane
19	14.942	BP	32141	0.10	0.10	CL3ethene H
20	15.342	PB	22912	0.10	0.10	1,2-CL2propane
21	15.975	BB	20908	0.10	0.10	BRCL2methane
22	16.908	BB	27920	0.14	0.14	c-13-CL2prpen H
23	18.075	BP	21463	0.12	0.12	t-13-CL2prpen H
24	18.425	PP	29808	0.10	0.10	1,1,2-CL3ethane
25	18.700	PP	38049	0.10	0.10	CL4ethene H
26	19.225	PB	16459	0.10	0.10	BR2CLmethane
27	20.500	BB	10518	0.10	0.10	Chlorobenzene H
28	22.283	BB	9949	0.10	0.10	Bromoform
29	23.433	BP	27518	0.10	0.10	1,1,2,2-CL4etha
30	23.817	PB	939384	10.00	10.00	o-CLtoluene H
31	25.508	BP	10381	0.10	0.10	13-CL2benzene H
32	25.725	PB	10880	0.10	0.10	14-CL2benzene H
33	26.558	BB	12167	0.11	0.11	12-CL2benzene H

AN093901

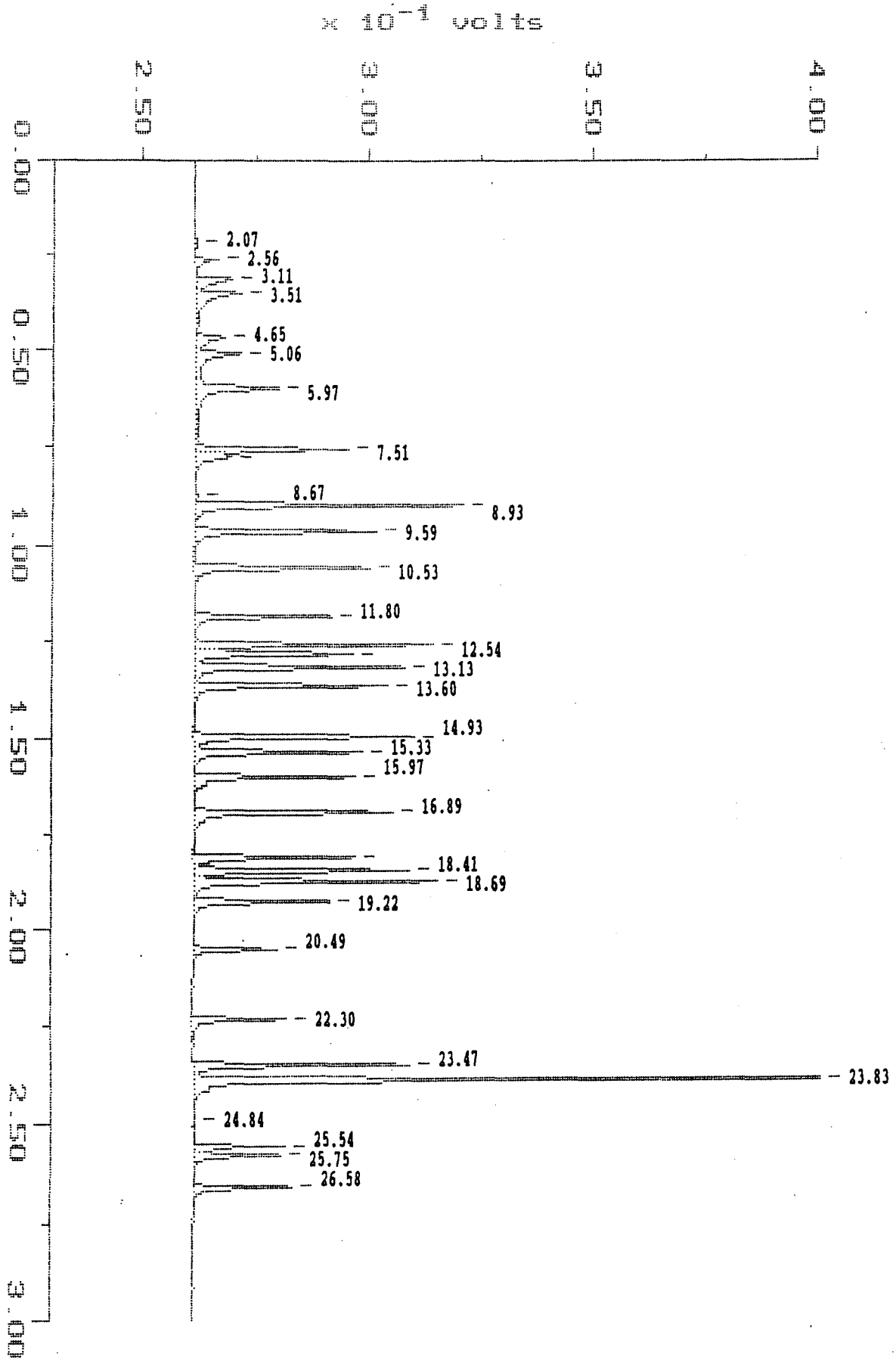
TOTAL	1645074	13.00	13.00

Sample: 1.0 PPB STD Channel: PID Col:DB-624 Filename: AA092902
Acquired: 29-SEP-88 9:29 Method: C:\MAX\1194\AA0929MA Operator:



000510

Sample: 1.0 PPB STD Channel: HALL Col:DB-624 Filename: AA092902
Acquired: 29-SEP-88 9:29 Method: C:\MAX\1194\AA0929MA Operator: GGS



000511

MAXIMA 820 CUSTOM REPORT

Printed: 9-NOV-1988 9:51:47

SAMPLE: 1.0 PPB STD
#2 in Method: TRACOR 1194 - PROCESSING - SPEC
Acquired: 29-SEP-1988 9:29
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: STND
Instrument: TRACOR 1194
Filename: AA092902
Index: Disk

DETECTOR: PID Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.058	BB	935			
2	3.233	BP	2371			
3	3.492	PB	11928	1.00	1.00	Vinyl Chlorid P
4	6.667	BP	4592			
5	6.925	PP	5634			
6	7.225	PP	11498	Invalid	Invalid	Diethyl Ether
7	7.500	PP	57372	1.00	1.00	1,1-CL2ethene P
8	7.983	PP	281783	5.00	5.00	Acetone
9	8.917	SS	1633			
10	9.575	PB	124960	1.00	1.00	t-12-Cl2eten P
11	10.075	SS	1413			
12	10.500	SS	5027			
13	11.483	BB	2123			
14	11.775	BP	24440	1.00	1.00	c-12-CL2etene P
15	11.925	PP	370386	5.00	5.00	MEK
16	12.400	PP	76889	5.00	5.00	THF
17	13.000	SS	1476			
18	13.525	PP	147343	1.00	1.00	Benzene
19	13.950	SS	2623			
20	14.283	PP	23086			
21	14.917	PP	73131	1.00	1.00	CL3ethene P
22	15.375	PP	33733			
23	15.650	PP	61964			
24	16.175	SS	5694			
25	16.875	PP	34743	1.40	1.40	c-13-CL2prpen P
26	17.233	PP	249175	5.00	5.00	MIBK
27	17.525	PP	147219	1.00	1.00	Toluene
28	18.050	PP	55136	1.15	1.15	t-13-CL2prpen P
29	18.675	PB	66158	1.00	1.00	CL4ethene P
30	19.200	SS	2301			
31	20.483	BP	115116	1.00	1.00	Chlorobenzene P
32	20.775	PP	108639	1.00	1.00	Ethylbenzene
33	21.050	PP	277044	2.00	2.00	p/m-Xylene
34	21.933	PP	207386	1.60	1.60	o-Xylen/Styrene

AA019902

35	22.758	PP	99832	1.00	1.00	Cumene
36	23.817	PB	1361711	Invalid	Invalid	o-CLtoluene P
37	24.950	SS	1149			
38	25.525	SV	73611	1.00	1.00	13-CL2benzene P
39	25.742	VV	97773	1.00	1.00	14-CL2benzene P
40	26.567	VS	81846	1.00	1.00	12-CL2benzene P
41	28.283	BB	3518			
TOTAL			4314390	40.15	40.15	

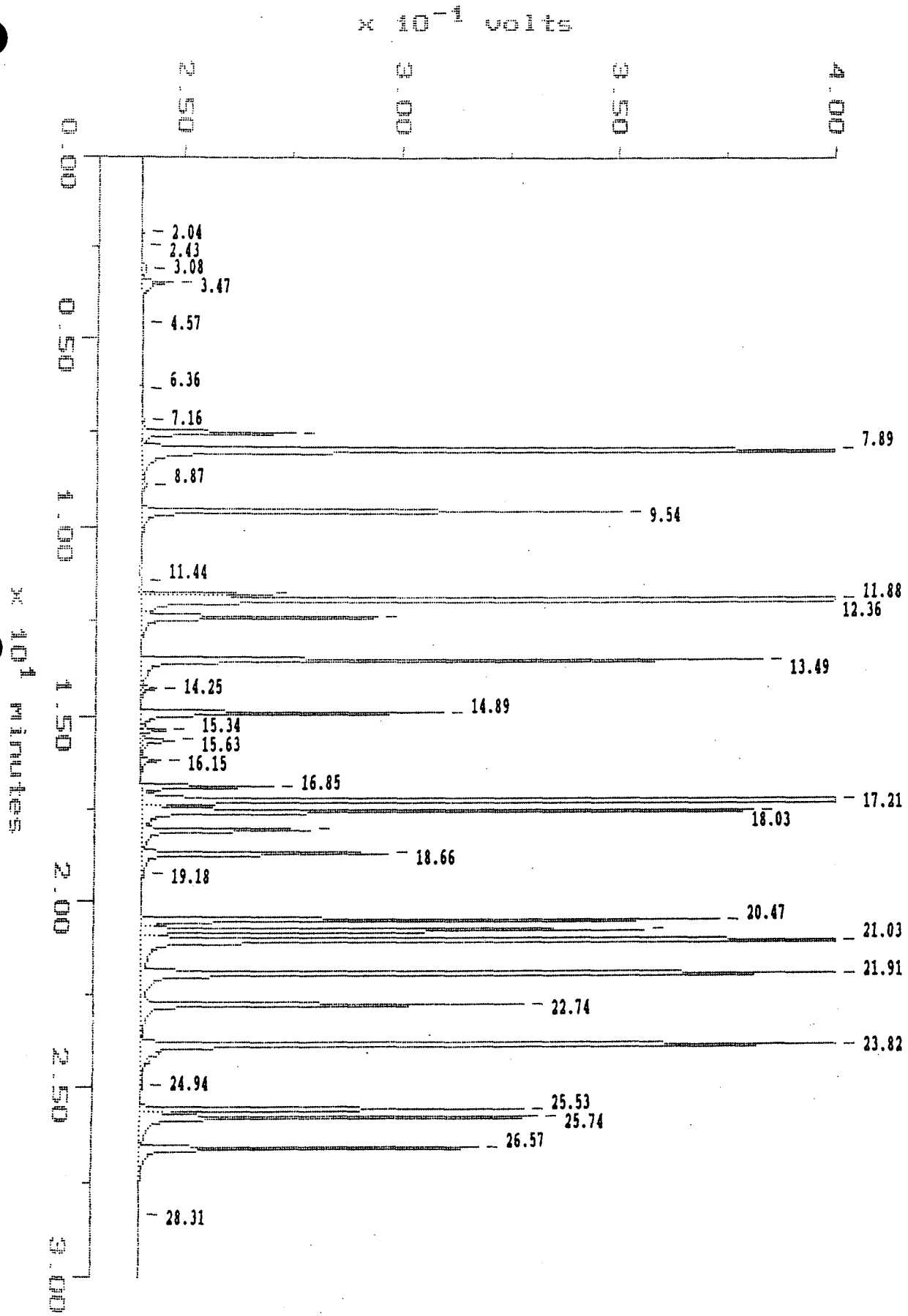
DETECTOR: HALL Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.067	BP	4081			
2	2.558	PP	35601	1.00	1.00	CL2FL2methane
3	3.108	PP	89129	1.10	1.10	Chloromethane
4	3.508	PP	131310	1.00	1.00	Vinyl Chlorid H
5	4.650	PP	72596	1.10	1.10	Bromomethane
6	5.058	PP	137197	1.10	1.10	Chloroethane
7	5.967	PP	232523	1.00	1.00	CL3FLmethane
8	7.508	PP	242097	1.00	1.00	1,1-CL2ethene H
9	7.717	PB	83966			
10	8.667	BP	4988			
11	8.933	PP	383893	1.00	1.00	CH2CL2
12	9.592	PP	276442	1.00	1.00	t-12-CL2eten H
13	10.533	PB	274721	1.00	1.00	1,1-CL2ethane
14	11.800	BP	197668	1.00	1.00	c-12-CL2etene H
15	12.542	PP	334767	1.00	1.00	Chloroform
16	12.783	PP	270847	1.00	1.00	1,1,1-CL3ethane
17	13.133	PP	351632	1.00	1.00	Carbon CL4
18	13.600	PB	294205	1.00	1.00	1,2-CL2ethane
19	14.933	BP	320062	1.00	1.00	CL3ethene H
20	15.333	PP	266352	1.00	1.00	1,2-CL2propane
21	15.967	PP	254716	1.00	1.00	BRCL2methane
22	16.892	PB	308759	1.40	1.40	c-13-CL2prpen H
23	18.067	BP	233488	1.15	1.15	t-13-CL2prpen H
24	18.408	PP	310223	1.00	1.00	1,1,2-CL3ethane
25	18.692	PP	366529	1.00	1.00	CL4ethene H
26	19.217	PB	206668	1.00	1.00	BR2CLmethane
27	20.492	BB	119654	1.00	1.00	Chlorobenzene H
28	22.300	BB	136341	1.00	1.00	Bromoform
29	23.467	BP	290018	1.00	1.00	1,1,2,2-CL4etha
30	23.833	PB	971071	Invalid	Invalid	o-CLtoluene H
31	24.842	SS	2075			
32	25.542	BP	118116	1.00	1.00	13-CL2benzene H

AA092902

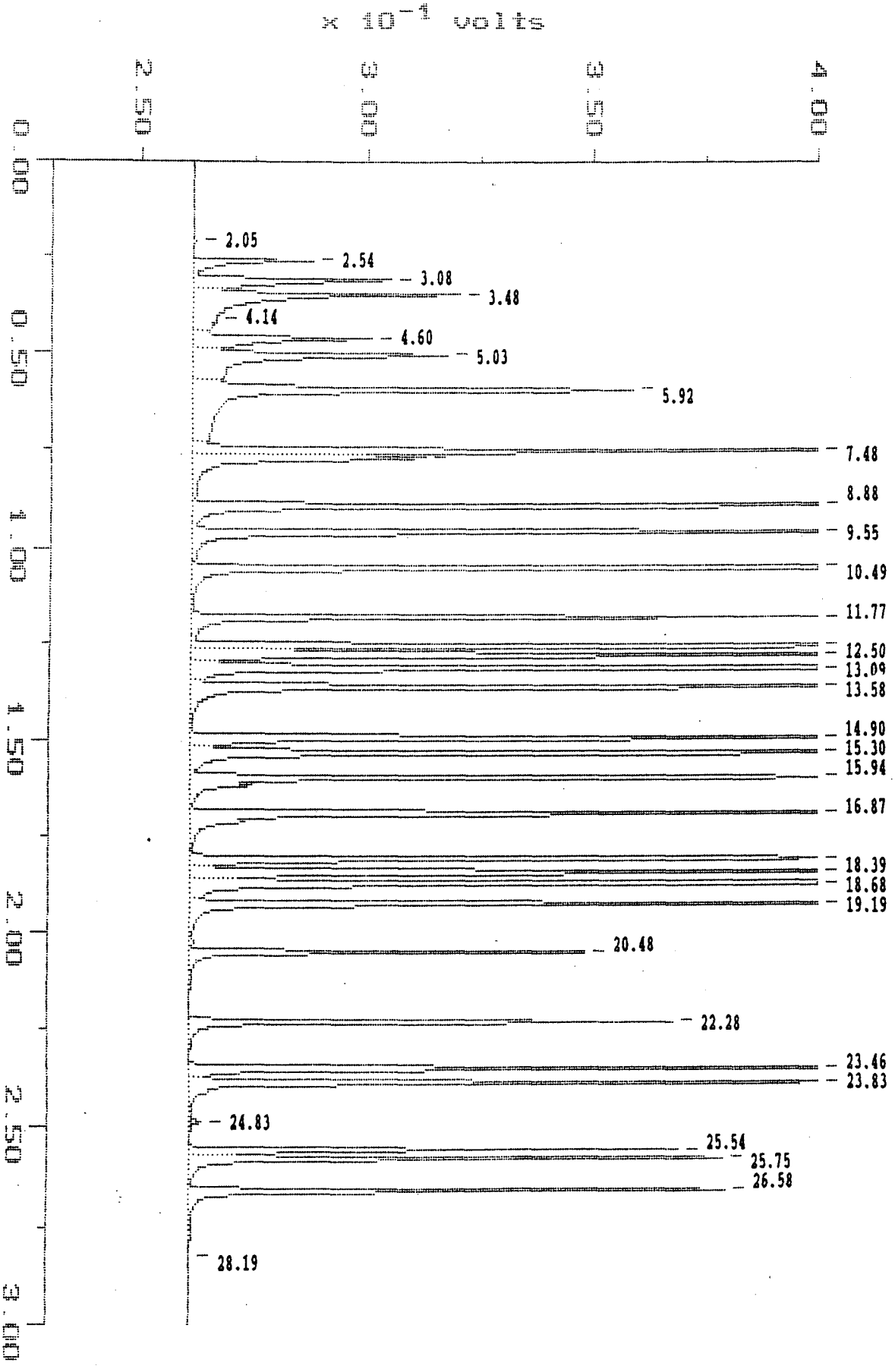
33	25.750	PP	131124	1.00	1.00	14-CL2benzene H
34	26.583	PB	135324	1.00	1.00	12-CL2benzene H
TOTAL			7588182	29.85	29.85	

Sample: 5.0 PPB STD Channel: PID Col:DB-624 Filename: AA092903
Acquired: 29-SEP-88 10:10 Method: C:\MAX\1194\AA0929MA Operator: 683



000515

Sample: 5.0 PPB STD Channel: HALL Col:DB-624 Filename: AA092903
Acquired: 29-SEP-88 10:10 Method: C:\MAX\1194\AA0929MA Operator:



000516

MAXIMA 820 CUSTOM REPORT

Printed: 9-NOV-1988 9:53:02

SAMPLE: 5.0 PPB STD
#3 in Method: TRACOR 1194 - PROCESSING - SPEC
Acquired: 29-SEP-1988 10:10
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: STND
Instrument: TRACOR 1194
Filename: AA092903
Index: Disk

DETECTOR: PID Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.042	BP	2606			
2	2.433	PB	800			
3	3.075	BP	8778			
4	3.467	PB	57248	5.00	5.00	Vinyl Chlorid P
5	4.567	BB	1202			
6	6.358	BB	667			
7	7.158	BP	6441	Invalid	Invalid	Diethyl Ether
8	7.458	PP	239878	5.00	5.00	1,1-CL2ethene P
9	7.892	PP	1645176	25.00	25.00	Acetone
10	8.867	SS	5681			
11	9.542	PB	606786	5.00	5.00	t-12-Cl2eten P
12	11.442	BB	-212			
13	11.742	BP	136354	5.00	5.00	c-12-CL2etene P
14	11.883	PP	1669307	25.00	25.00	MEK
15	12.358	PP	350902	25.00	25.00	THF
16	13.492	PP	770655	5.00	5.00	Benzene
17	14.250	SS	22844			
18	14.892	PP	420625	5.00	5.00	CL3ethene P
19	15.342	SV	30841			
20	15.625	VS	48554			
21	16.150	SS	29575			
22	16.850	PP	171328	7.00	7.00	c-13-CL2prpen P
23	17.208	PP	1627196	25.00	25.00	MIBK
24	17.500	PP	760121	5.00	5.00	Toluene
25	18.025	PP	252172	5.75	5.75	t-13-CL2prpen P
26	18.658	PB	329034	5.00	5.00	CL4ethene P
27	19.183	SS	2260			
28	20.467	BP	687371	5.00	5.00	Chlorobenzene P
29	20.750	PP	619680	5.00	5.00	Ethylbenzene
30	21.025	PP	1773435	10.00	10.00	p/m-Xylene
31	21.908	PP	1268940	8.00	8.00	o-Xylen/Styrene
32	22.742	PP	517392	5.00	5.00	Cumene
33	23.817	PP	1413856	Invalid	Invalid	o-CLtoluene P
34	24.942	SS	1578			

AA092903

35	25.525	PP	456251	5.00	5.00	13-CL2benzene P
36	25.742	PP	533302	5.00	5.00	14-CL2benzene P
37	26.567	PB	467036	5.00	5.00	12-CL2benzene P
38	28.308	SS	2945			
TOTAL			16939028	200.75	200.75	

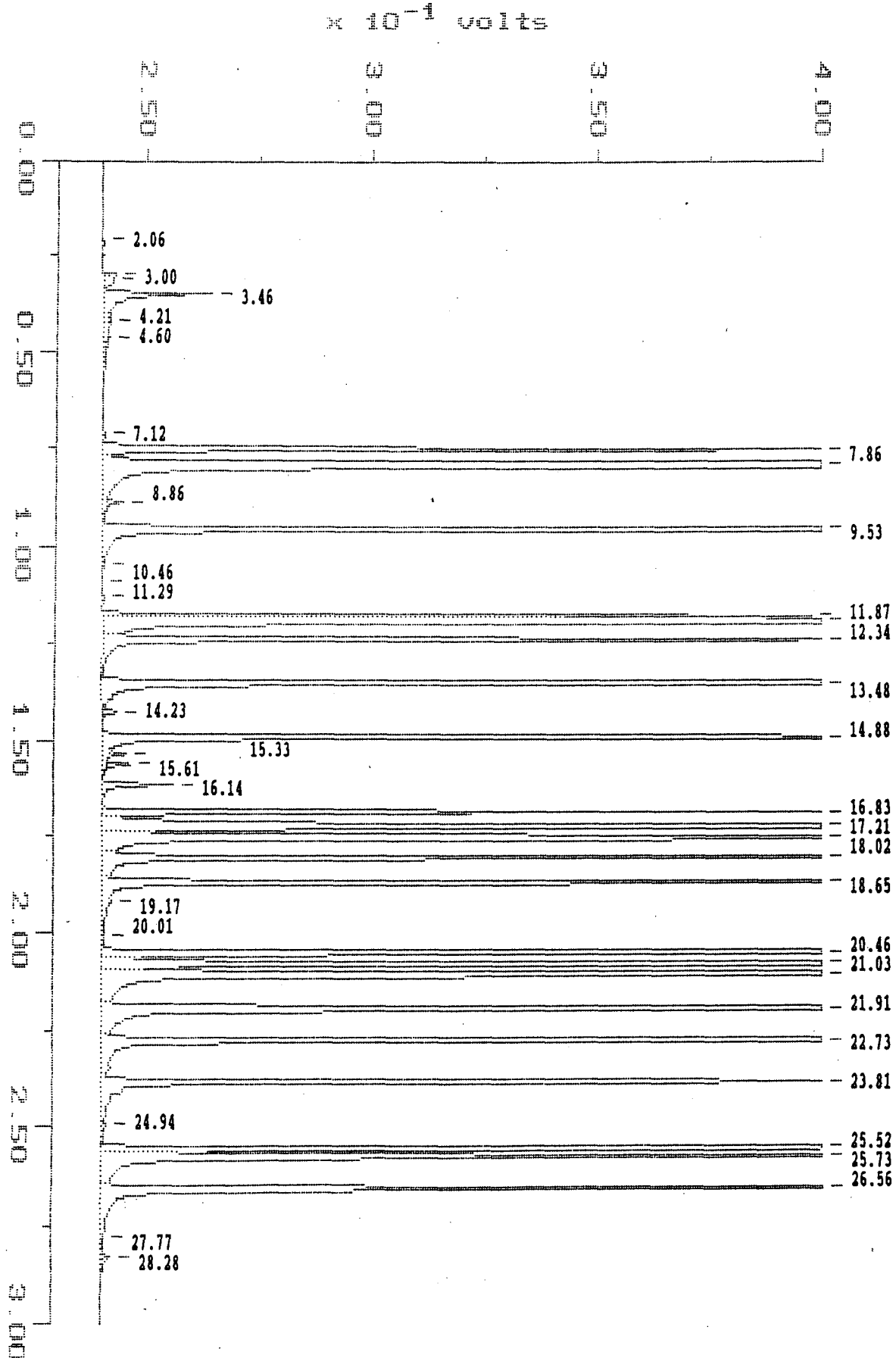
DETECTOR: HALL Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.050	BP	3773			
2	2.542	PP	200958	5.00	5.00	CL2FL2methane
3	3.083	PP	462490	5.50	5.50	Chloromethane
4	3.475	PP	772805	5.00	5.00	Vinyl Chlorid H
5	4.142	SS	2735			
6	4.600	PP	423886	5.50	5.50	Bromomethane
7	5.025	PP	756610	5.50	5.50	Chloroethane
8	5.917	PP	1295216	5.00	5.00	CL3FLmethane
9	7.483	PP	1278035	5.00	5.00	1,1-CL2ethene H
10	7.658	PP	578941			
11	8.883	PP	1528379	5.00	5.00	CH2CL2
12	9.550	PP	1368207	5.00	5.00	t-12-CL2eten H
13	10.492	PP	1381998	5.00	5.00	1,1-CL2ethane
14	11.767	PP	999620	5.00	5.00	c-12-CL2etene H
15	12.500	PP	1689728	5.00	5.00	Chloroform
16	12.733	PP	1354495	5.00	5.00	1,1,1-CL3ethane
17	13.092	PP	1804459	5.00	5.00	Carbon CL4
18	13.575	PP	1538351	5.00	5.00	1,2-CL2ethane
19	14.900	PP	1621449	5.00	5.00	CL3ethene H
20	15.300	PP	1332460	5.00	5.00	1,2-CL2propane
21	15.942	PP	1290395	5.00	5.00	BRCL2methane
22	16.867	PP	1609481	7.00	7.00	c-13-CL2prpen H
23	18.042	PP	1201422	5.75	5.75	t-13-CL2prpen H
24	18.392	PP	1580213	5.00	5.00	1,1,2-CL3ethane
25	18.675	PP	1797604	5.00	5.00	CL4ethene H
26	19.192	PP	1092031	5.00	5.00	BR2CLmethane
27	20.475	PB	556618	5.00	5.00	Chlorobenzene H
28	22.283	BP	680556	5.00	5.00	Bromoform
29	23.458	PP	1437477	5.00	5.00	1,1,2,2-CL4etha
30	23.825	PP	1037848	Invalid	Invalid	o-CLtoluene H
31	24.833	SS	14774			
32	25.542	PP	623500	5.00	5.00	13-CL2benzene H
33	25.750	PP	744698	5.00	5.00	14-CL2benzene H
34	26.575	PB	726817	5.00	5.00	12-CL2benzene H
35	28.192	SS	1217			

AA092903

TOTAL	34789248	149.25	149.25

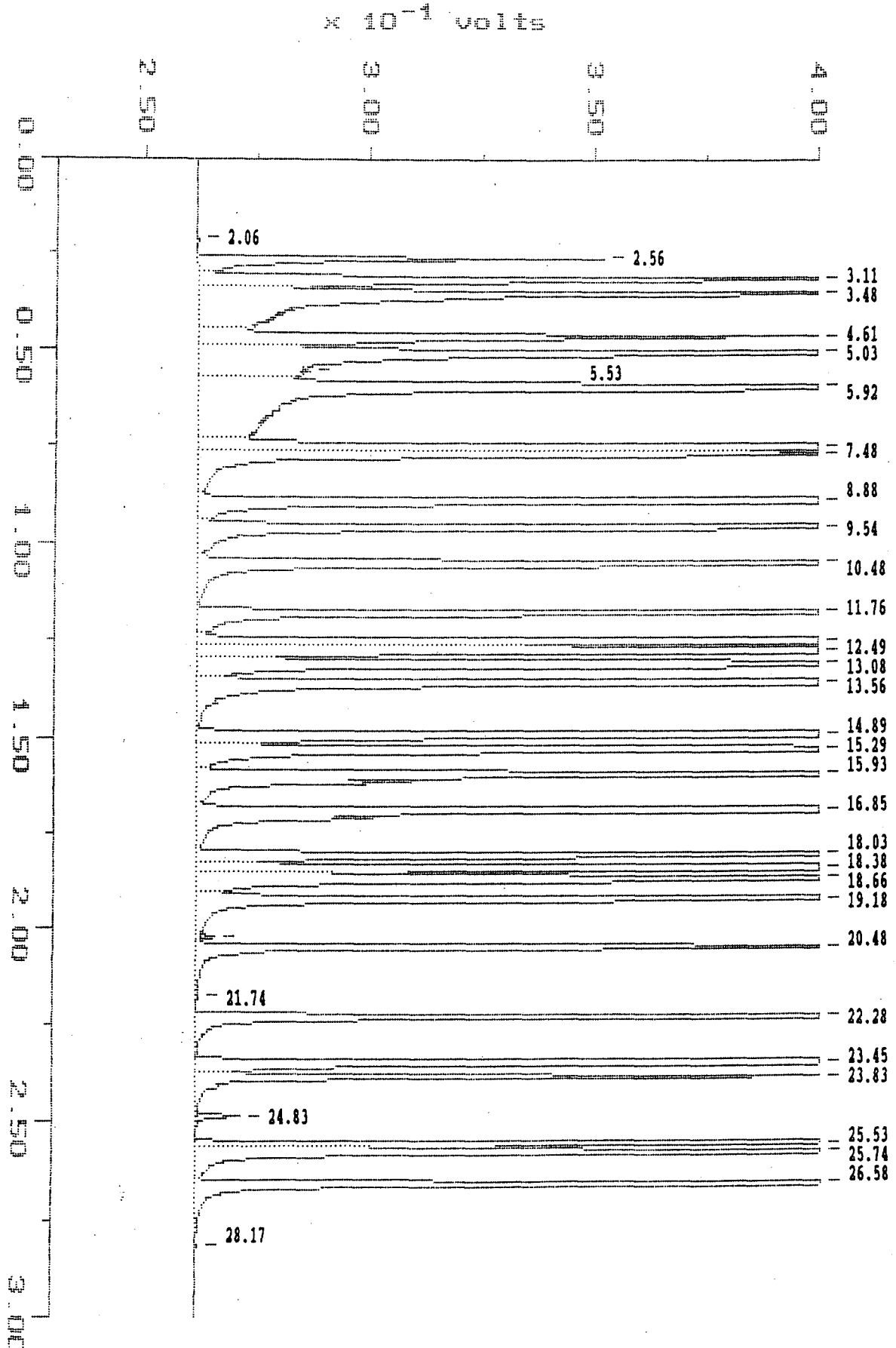
Sample: 20 PPB STD Channel: PID Col:DB-624 Filename: AA092904
Acquired: 29-SEP-88 10:49 Method: C:\MAX\1194\AA0929MA Operator: GBF



Sample: 20 PPB STD
Acquired: 29-SEP-88 10:49

Channel: HALL Col:DB-624
Method: C:\MAX\1194\AA0929MA

Filename: AA092904
Operator: GBS



000521

MAXIMA 820 CUSTOM REPORT

Printed: 9-NOV-1988 9:54:15

SAMPLE: 20 PPB STD
#4 in Method: TRACOR 1194 - PROCESSING - SPEC
Acquired: 29-SEP-1988 10:49
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: STND
Instrument: TRACOR 1194
Filename: AA092904
Index: Disk

DETECTOR: PID Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.058	BB	1724			
2	3.000	BP	18125			
3	3.125	PP	23778			
4	3.458	PB	279856	20.00	20.00	Vinyl Chlorid P
5	4.208	SV	3498			
6	4.600	VS	5845			
7	7.117	BP	6943	Invalid	Invalid	Diethyl Ether
8	7.458	PP	1040784	20.00	20.00	1,1-CL2ethene P
9	7.858	PP	5758445	100.00	100.00	Acetone
10	8.858	SS	21223			
11	9.525	PB	2824814	20.00	20.00	t-12-Cl2eten P
12	10.458	SS	1936			
13	10.908	SS	904			
14	11.292	SS	7353			
15	11.742	BP	661558	20.00	20.00	c-12-CL2etene P
16	11.867	PP	5263432	100.00	100.00	MEK
17	12.342	PP	1158290	100.00	100.00	THF
18	13.475	PP	2228361	20.00	20.00	Benzene
19	14.233	SS	22228			
20	14.875	PP	1772673	20.00	20.00	CL3ethene P
21	15.333	SS	22191			
22	15.608	SS	34783			
23	16.142	SS	100979			
24	16.833	PP	815451	28.00	28.00	c-13-CL2prpen P
25	17.208	PP	6355281	100.00	100.00	MIBK
26	17.500	PP	3589284	20.00	20.00	Toluene
27	18.017	PP	1126023	23.00	23.00	t-13-CL2prpen P
28	18.650	PP	1492917	20.00	20.00	CL4ethene P
29	19.167	SS	4464			
30	20.008	SS	1251			
31	20.458	PP	3496910	20.00	20.00	Chlorobenzene P
32	20.750	PP	3102046	20.00	20.00	Ethylbenzene
33	21.025	PP	7966200	40.00	40.00	p/m-Xylene
34	21.908	PP	6094842	32.00	32.00	o-Xylen/Styrene

AA093904

35	22.733	PP	2392611	20.00	20.00	Cumene
36	23.808	PP	1412202	Invalid	Invalid	o-CLtoluene P
37	24.942	SS	3139			
38	25.517	PP	2552495	20.00	20.00	13-CL2benzene P
39	25.733	PP	2852887	20.00	20.00	14-CL2benzene P
40	26.558	PB	2327974	20.00	20.00	12-CL2benzene P
41	27.767	SS	910			
42	28.283	SS	14504			
43	30.458	BB	1003			
TOTAL			66862117	803.00	803.00	

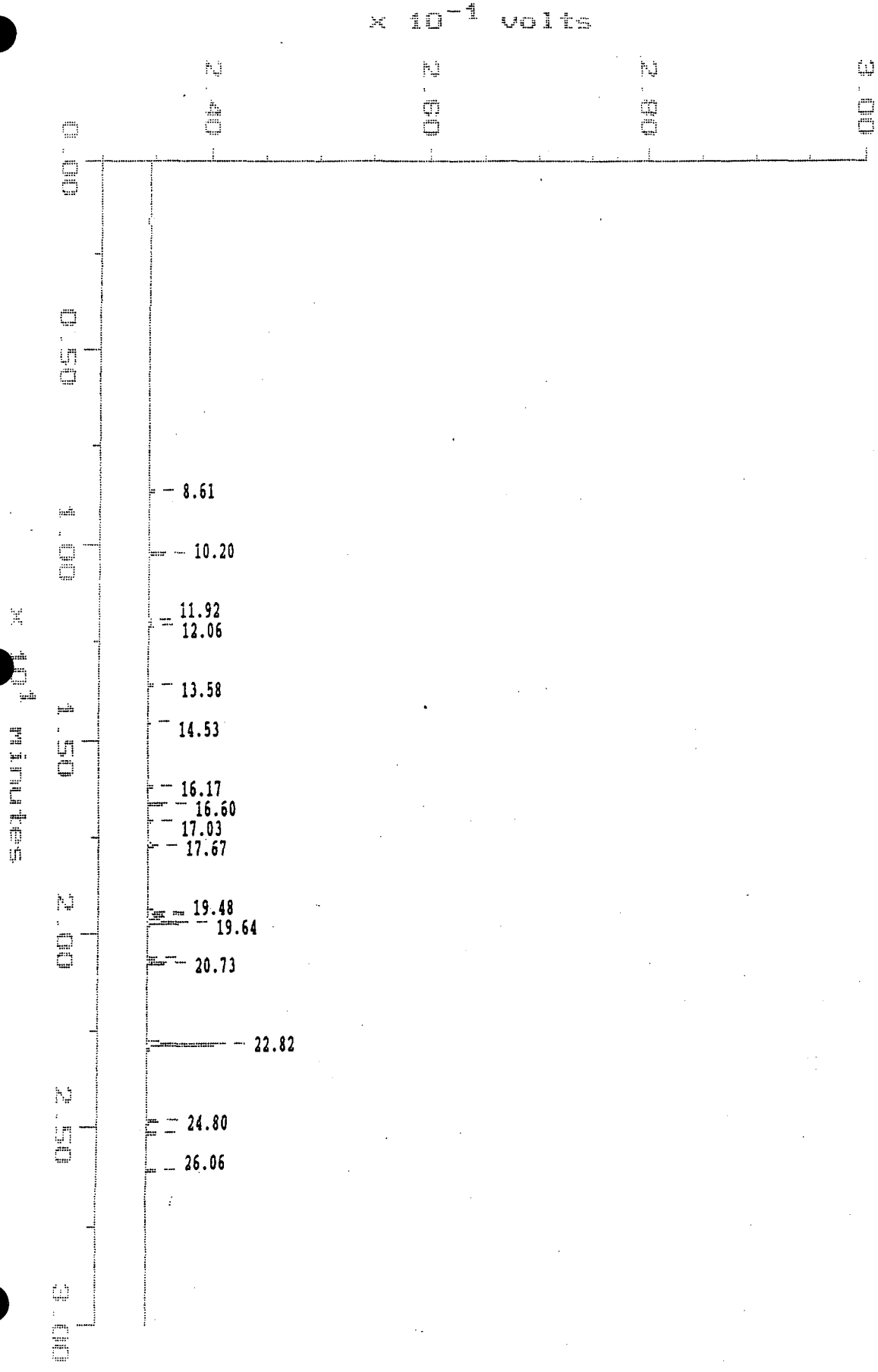
DETECTOR: HALL Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.058	BP	3599			
2	2.558	PP	733748	20.00	20.00	CL2FL2methane
3	3.108	PP	1683313	22.00	22.00	Chloromethane
4	3.475	PP	2786220	20.00	20.00	Vinyl Chlorid H
5	4.608	PP	1539442	22.00	22.00	Bromomethane
6	5.033	PP	2872396	22.00	22.00	Chloroethane
7	5.525	SS	8070			
8	5.917	PP	4698373	20.00	20.00	CL3FLmethane
9	7.475	PP	4839334	20.00	20.00	1,1-CL2ethene H
10	7.667	PP	1819430			
11	8.875	PP	5710332	20.00	20.00	CH2CL2
12	9.542	PP	5211106	20.00	20.00	t-12-CL2eten H
13	10.483	PP	5351487	20.00	20.00	1,1-CL2ethane
14	11.758	PP	3843349	20.00	20.00	c-12-CL2etene H
15	12.492	PP	6434200	20.00	20.00	Chloroform
16	12.725	PP	5109899	20.00	20.00	1,1,1-CL3ethane
17	13.075	PP	6906029	20.00	20.00	Carbon CL4
18	13.558	PP	5822078	20.00	20.00	1,2-CL2ethane
19	14.892	PP	6271633	20.00	20.00	CL3ethene H
20	15.292	PP	5106207	20.00	20.00	1,2-CL2propane
21	15.925	PP	5073351	20.00	20.00	BRCL2methane
22	16.850	PP	6020416	28.00	28.00	c-13-CL2prpen H
23	18.025	PP	4862687	23.00	23.00	t-13-CL2prpen H
24	18.383	PP	6131533	20.00	20.00	1,1,2-CL3ethane
25	18.658	PP	6924565	20.00	20.00	CL4ethene H
26	19.183	PP	3992470	20.00	20.00	BR2CLmethane
27	20.217	SS	14824			
28	20.475	PP	2409663	20.00	20.00	Chlorobenzene H
29	21.742	SS	1545			
30	22.275	PP	2773500	20.00	20.00	Bromoform

AA092904

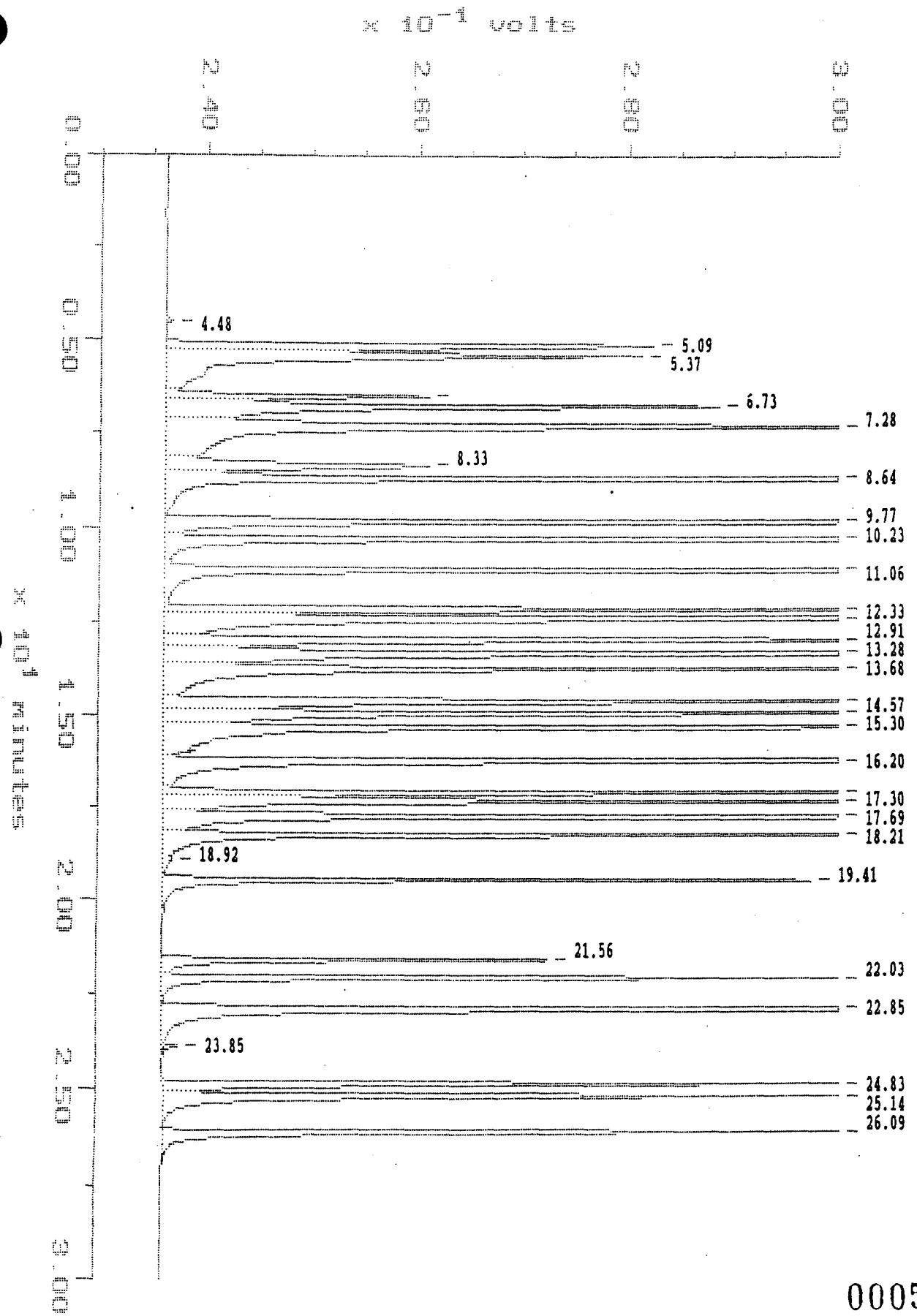
31	23.450	PP	5415414	20.00	20.00	1,1,2,2-CL4etha
32	23.825	PB	1100159	Invalid	Invalid	o-CLtoluene H
33	24.833	SS	59600			
34	25.533	BP	2744788	20.00	20.00	13-CL2benzene H
35	25.742	PP	3333520	20.00	20.00	14-CL2benzene H
36	26.575	PB	2939798	20.00	20.00	12-CL2benzene H
37	28.167	SS	1775			
38	30.467	BB	1568			
			---	---	---	
TOTAL			130551417	597.00	597.00	

Sample: 1.0 PPB STD Channel: PID Col:VOCOL Filename: AB092001
Acquired: 20-SEP-88 8:36 Method: C:\MAX\860\AB_0920 Operator:



000525 CCF
~~000624~~
11/15/88

Sample: 1.0 PPB STD Channel: HALL Col:VOCOL Filename: AB092001
Acquired: 20-SEP-88 8:36 Method: C:\MAX\860\AB_0920 Operator:



000526
000625 CF
11/15/88

MAXIMA 820 CUSTOM REPORT

Printed: 27-OCT-1988 11:01:51

SAMPLE: 1.0 PPB STD
#1 in Method: VOA 860 601/602
Acquired: 20-SEP-1988 8:36
Rate: 2.0 points/sec
Duration: 30.500 minutes
Operator:

Type: STND
Instrument: TRACOR 860
Filename: AB092001
Index: Disk

DETECTOR: PID Col:VOCOL

Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/kg)	Component Name
8.608	0.377	BB	467	2358			
10.200	0.447	BB	1446	5937			
11.917	0.522	BP	236	1075			
12.058	0.528	PB	381	1514			
13.583	0.595	BB	458	1909	1.00	1.00	Benzene
14.533	0.637	BB	156	681			
16.167	0.709	BB	433	1852			
16.600	0.728	BB	1806	6869	1.00	1.00	Toluene
17.025	0.746	BB	416	1672			
17.667	0.774	BB	831	3444			
19.375	0.849	BP	1574	6811			
19.483	0.854	PP	1580	6763	1.00	1.00	Ethylbenzene
19.642	0.861	PB	3618	16350	2.00	2.00	p/m-Xylene
20.592	0.902	BP	834	3504	0.60	0.60	o-Xylene
20.725	0.908	PB	1695	7389	1.00	1.00	Styrene
22.817	1.000	BB	7086	31982	5.00	5.00	o-CLtoluene(P)
24.800	1.087	BP	1041	5371			
25.108	1.100	PB	916	4146			
26.058	1.142	BB	870	3964			
TOTAL			25843	113592	11.60	11.60	

DETECTOR: HALL Col:VOCOL

Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/kg)	Component Name
4.475	0.196	BB	601	3463			
5.092	0.223	BP	46257	468691	1.10	1.10	Chloromethane
5.367	0.235	PP	45059	632584	1.00	1.00	Vinyl chloride
6.475	0.283	PP	24970	209022	1.10	1.10	Bromomethane

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~~000626~~ 11/15/88

AB091001

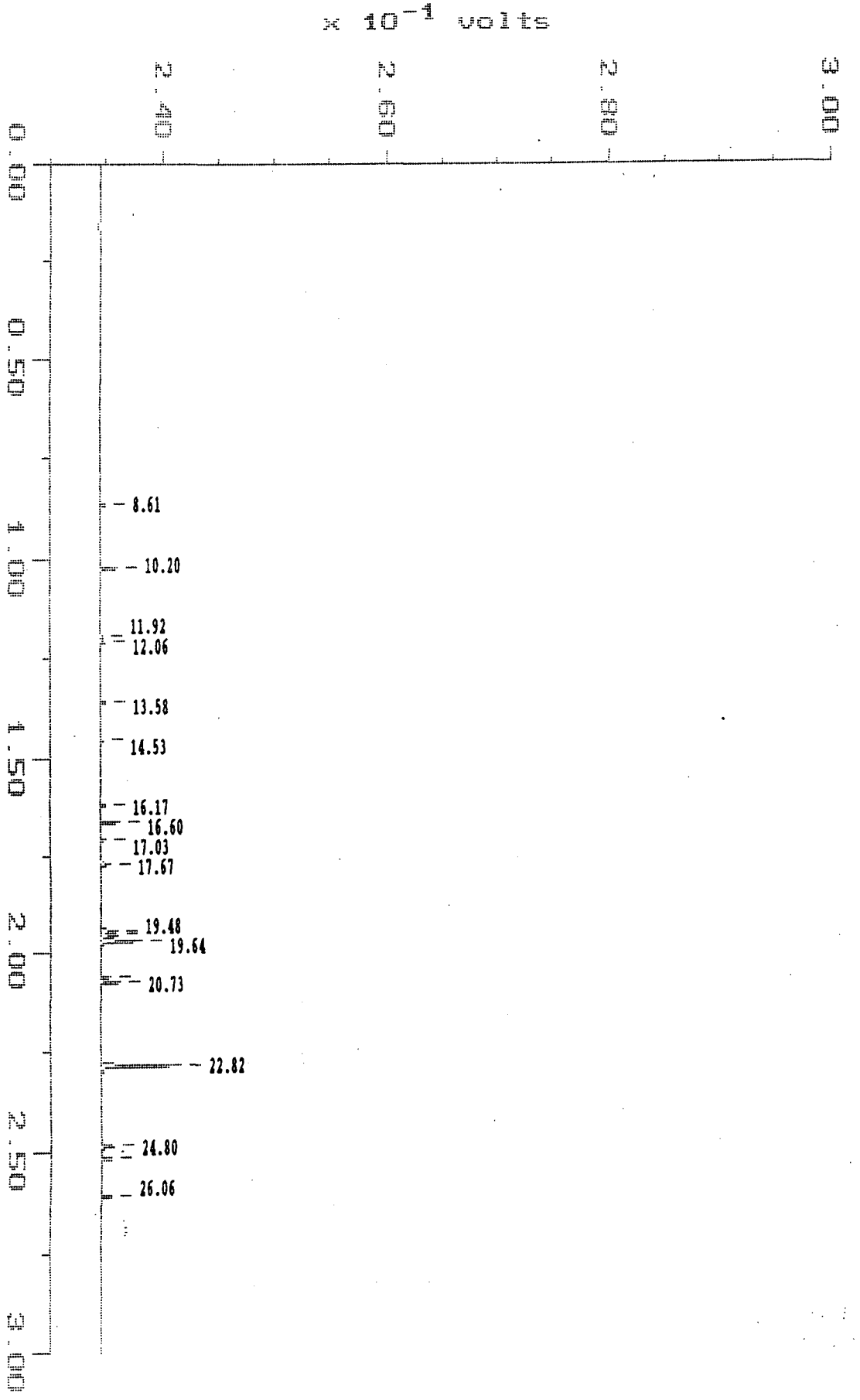
6.733	0.295	PP	52392	565710	1.10	1.10	Chloroethane
7.275	0.318	PP	71735	931175	1.00	1.00	CL3FLmethane
8.325	0.364	PP	24970	304526	1.00	1.00	Freon-113
8.642	0.378	PP	137333	950916	1.00	1.00	1,1-CL2ethene
9.767	0.427	PP	265245	1401941	1.00	1.00	CH2CL2
10.233	0.448	PP	173786	954347	1.00	1.00	t-1,2-CL2ethene
11.058	0.484	PP	161049	954756	1.00	1.00	1,1-CL2ethane
12.092	0.529	PP	140619	771443	1.00	1.00	c-1,2-CL2ethene
12.333	0.540	PP	191205	1251025	1.00	1.00	Chloroform
12.908	0.565	PP	112178	807505	1.00	1.00	1,1,1-CL3ethane
13.275	0.581	PP	159645	1172559	1.00	1.00	Carbon CL4
13.683	0.599	PP	114248	812447	1.00	1.00	1,2-CL2ethane
14.567	0.637	PP	154710	928117	1.00	1.00	CL3ethene
14.900	0.652	PP	115175	799676	1.00	1.00	1,2-CL2propane
15.300	0.670	PP	116930	870385	1.00	1.00	BRCL2methane
16.200	0.709	PP	154531	939459	1.40	1.40	c-1,3-CL2propen
17.058	0.747	PP	89443	550339	1.15	1.15	t-1,3-CL2propen
17.300	0.757	PP	125673	743375	1.00	1.00	1,1,2-CL3ethane
17.692	0.774	PP	207493	1188364	1.00	1.00	CL4ethene
18.208	0.797	PP	75022	530997	1.00	1.00	BR2CLmethane
18.917	0.828	SS	316	1963			
19.408	0.849	PB	61203	380213	1.00	1.00	Chlorobenzene
21.558	0.943	BP	36350	235429	1.00	1.00	Bromoform
22.033	0.964	PP	78591	469810	1.00	1.00	1,1,2,2-CL4etha
22.850	1.000	PB	293455	1694535	5.00	5.00	o-CLtoluene(H)
23.850	1.044	SS	1361	8046			
24.833	1.087	BP	70943	449987	1.00	1.00	1,3-CL2benzene
25.142	1.100	PB	70132	493033	1.00	1.00	1,4-CL2benzene
26.092	1.142	BB	73589	459833	1.00	1.00	1,2-CL2benzene
TOTAL			3446210	22935670	34.85	34.85	

000523

~~000627~~ CLF

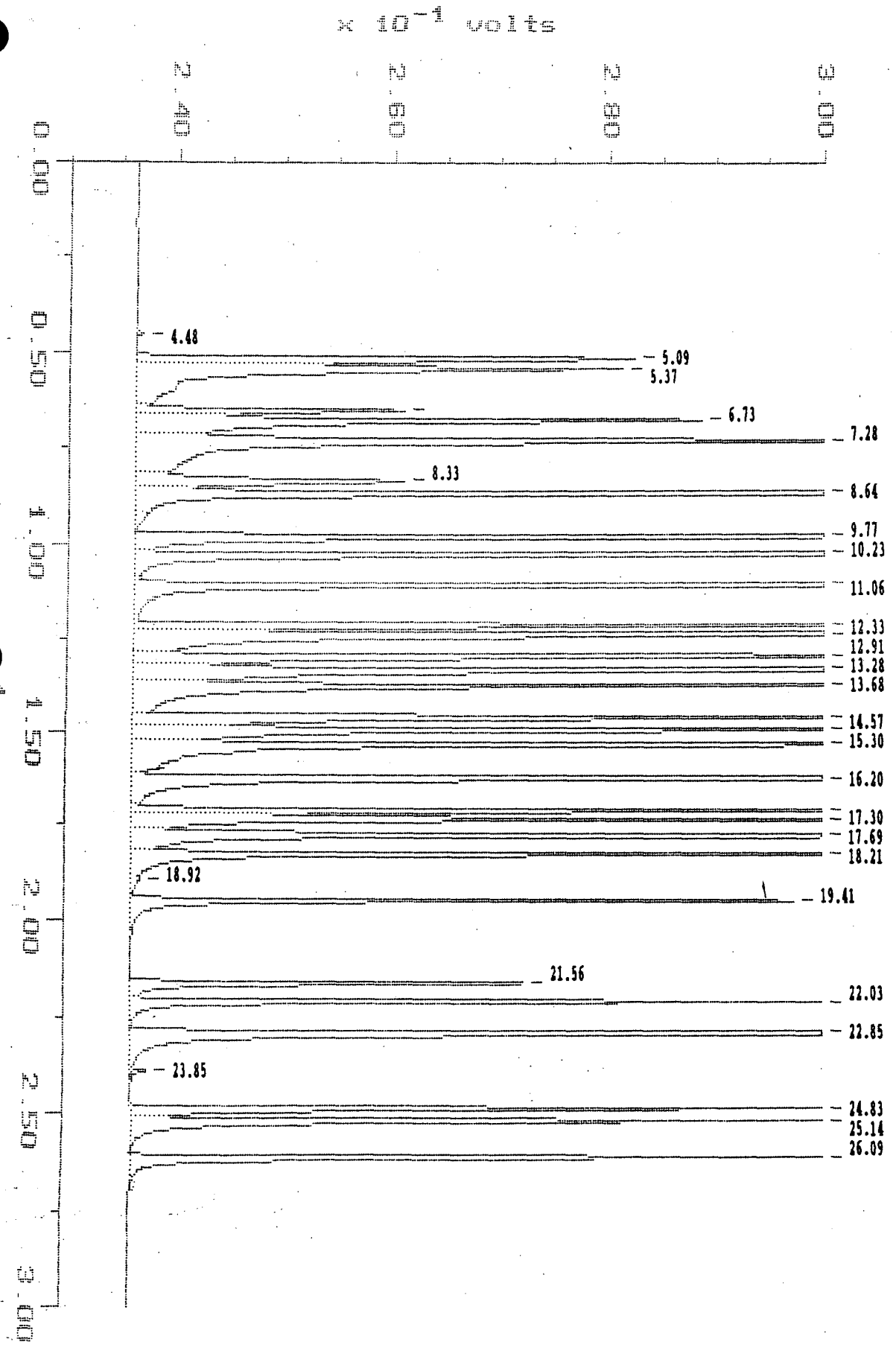
11/15/88

Sample: 4.0 PPB STD Channel: PID Col:TOCOL Filename: AB092001
Acquired: 20-SEP-88 8:36 Method: C:\MAX\860\AB_0920 Operator: GBS



000529

Sample: 4.0 PPB STD Channel: HALL Col:VOCOL Filename: AB092001
Acquired: 20-SEP-88 8:36 Method: C:\HAX\860\AB_0920 Operator: GBS



000530

MAXIMA 820 CUSTOM REPORT

Printed: 9-NOV-1988 14:26:41

SAMPLE: 4.0 PPB STD
#1 in Method: VOA 860 601/602
Acquired: 20-SEP-1988 8:36
Rate: 2.0 points/sec
Duration: 30.500 minutes
Operator:

Type: STND
Instrument: TRACOR 860
Filename: AB092001
Index: Disk

DETECTOR: PID Col:VOCOL

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (PPB)	Component Name
1	8.608	BB	2358			
2	10.200	BB	5937			
3	11.917	BP	1075			
4	12.058	PB	1514			
5	13.583	BB	1909	4.00	4.00	Benzene
6	14.533	BB	681			
7	16.167	BB	1852			
8	16.600	BB	6869	4.00	4.00	Toluene
9	17.025	BB	1672			
10	17.667	BB	3444			
11	19.375	BP	6811			
12	19.483	PP	6763	4.00	4.00	Ethylbenzene
13	19.642	PB	16350	8.00	8.00	p/m-Xylene
14	20.592	BP	3504	2.40	2.40	o-Xylene
15	20.725	PB	7389	4.00	4.00	Styrene
16	22.817	BB	31982	5.00	5.00	o-Chtoluene(P)
17	24.800	BP	5371			
18	25.108	PB	4146			
19	26.058	BB	3964			
TOTAL			113592	31.40	31.40	

DETECTOR: HALL Col:VOCOL

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (PPB)	Component Name
1	4.475	BB	3463			
2	5.092	BP	468691	4.40	4.40	Chloromethane
3	5.367	PP	632584	4.00	4.00	Vinyl chloride
4	6.475	PP	209022	4.40	4.40	Bromomethane

AB092001

5	6.733	PP	565710	4.40	4.40	Chloroethane
6	7.275	PP	931175	4.00	4.00	CL3FLmethane
7	8.325	PP	304526	4.00	4.00	Freon-113
8	8.642	PP	950916	4.00	4.00	1,1-CL2ethene
9	9.767	PP	1401941	4.00	4.00	CH2CL2
10	10.233	PP	954347	4.00	4.00	t-1,2-CL2ethene
11	11.058	PP	954756	4.00	4.00	1,1-CL2ethane
12	12.092	PP	771443	4.00	4.00	c-1,2-CL2ethene
13	12.333	PP	1251025	4.00	4.00	Chloroform
14	12.908	PP	807505	4.00	4.00	1,1,1-CL3ethane
15	13.275	PP	1172559	4.00	4.00	Carbon CL4
16	13.683	PP	812447	4.00	4.00	1,2-CL2ethane
17	14.567	PP	928117	4.00	4.00	CL3ethene
18	14.900	PP	799676	4.00	4.00	1,2-CL2propane
19	15.300	PP	870385	4.00	4.00	BRCL2methane
20	16.200	PP	939459	5.60	5.60	c-1,3-CL2propen
21	17.058	PP	550339	4.60	4.60	t-1,3-CL2propen
22	17.300	PP	743375	4.00	4.00	1,1,2-CL3ethane
23	17.692	PP	1188364	4.00	4.00	CL4ethene
24	18.208	PP	530997	4.00	4.00	BR2CLmethane
25	18.917	SS	1963			
26	19.408	PB	380213	4.00	4.00	Chlorobenzene
27	21.558	BP	235429	4.00	4.00	Bromoform
28	22.033	PP	469810	4.00	4.00	1,1,2,2-CL4etha
29	22.850	PB	1694535	5.00	5.00	o-CLtoluene(H)
30	23.850	SS	8046			
31	24.833	BP	449987	4.00	4.00	1,3-CL2benzene
32	25.142	PB	493033	4.00	4.00	1,4-CL2benzene
33	26.092	BB	459833	4.00	4.00	1,2-CL2benzene
TOTAL			22935670	124.40	124.40	

ANALYSES BY METHODS 8010/8020

RAW QC DATA

Sample:	----	METHOD BLANK
Column:	----	DB-624 VOCOL
File:	----	AA092006 XXX
Dilution:	----	1.000 1.000
Date:	----	20-SEP-1988
Time:	----	11:52

DB-624	VOCOL	** DB-624 ** Soln cnc	Finl cnc	** VOCOL ** Soln cnc	Finl cnc
Diethyl Ether	Diethyl Ether				
Acetone	Acetone				
MEK	MEK				
THF	THF				
Benzene	Benzene				
MIBK	2-CLetve P/MIBK				
Toluene	Toluene				
Ethylbenzene	Ethylbenzene				
p/m-Xylene	p/m-Xylene	0.15	0.15		
o-Xylen/Styrene	o-Xylene				
o-Xylen/Styrene	Styrene				
Cumene	Cumene				
CL2FL2methane	CL2FL2methane				
Chloromethane	Chloromethane				
Vinyl Chlorid P	Vinyl Chlorid P				
Vinyl Chlorid H	Vinyl Chlorid H	0.08	0.08		
Bromomethane	Bromomethane				
Chloroethane	Chloroethane				
CL3FLmethane	CL3FLmethane	0.06	0.06		
1,1-CL2ethene P	1,1-CL2ethene P				
1,1-CL2ethene H	1,1-CL2ethene H				
CH2CL2	CH2CL2	0.91	0.91		0.9
t-12-Cl2eten P	t-12-CL2eten P				
t-12-CL2eten H	t-12-CL2eten H				
1,1-CL2ethane	1,1-CL2ethane	0.03	0.03		
c-12-CL2etene P	c-12-CL2ethen P				
c-12-CL2etene H	c-12-CL2etene H	0.01	0.01		
Chloroform	Chloroform	0.03	0.03		
1,1,1-CL3ethane	1,1,1-CL3ethane	0.00	0.00		
Carbon CL4	Carbon CL4	0.02	0.02		
1,2-CL2ethane	1,2-CL2ethane	0.00	0.00		
CL3ethene P	CL3ethene P				
CL3ethene H	CL3ethene H	0.01	0.01		
1,2-CL2propane	1,2-CL2propane				
BRCL2methane	BRCL2methane				
2-CLethvineth P	2-CLetve P/MIBK				
2-CLethvineth H	2-CLetve H				
c-13-CL2prpen P	c-13-CL2prpen P				
c-13-CL2prpen H	c-13-CL2prpen H	0.02	0.02		
t-13-CL2prpen P	t-13-CL2prpen P				
t-13-CL2prpen H	t-13-CL2prpen H	0.03	0.03		
1,1,2-CL3ethane	1,1,2-CL3ethane				
CL4ethene P	CL4ethene P				
CL4ethene H	CL4ethene H				
BR2CLmethane	BR2CLmethane	0.05	0.05		
Chlorobenzene P	Chlorobenzene P				
Chlorobenzene H	Chlorobenzene H				
Bromoform	Bromoform				

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11/15/88

11/4/88

(Contd. from previous page)

Sample: ----	METHOD BLANK	
Column: ----	DB-624	VOCOL
File: ----	AA092807	XXX
Dilution: ----	1.000	1.000
Date: ----	28-SEP-1988	
Time: ----	21:07	

		** DB-624 **		** VOCOL **	
DB-624	VOCOL	Soln cnc	Finl cnc	Soln cnc	Finl cnc
1,1,2,2-CL4etha	1,1,2,2-CL4etha	~~0.02~~	~~0.0~~		
13-CL2benzene P	13-CL2benzene P	~~0.10~~	~~0.1~~		
13-CL2benzene H	13-CL2benzene H	~~0.03~~	~~0.0~~		
14-CL2benzene P	14-CL2benzene P	~~0.08~~	~~0.0~~		
14-CL2benzene H	14-CL2benzene H	~~0.04~~	~~0.0~~		
12-CL2benzene P	12-CL2benzene P	~~0.09~~	~~0.0~~		
12-CL2benzene H	12-CL2benzene H	~~0.05~~	~~0.0~~		
o-CLtoluene P	o-CLtoluene(P)	9.23	9.2		
o-CLtoluene H	o-CLtoluene(H)	9.74	9.7		

CLF
11/15/88

Sample:	----	METHOD BLANK
Column:	----	DB-624
File:	----	AA092906
Dilution:	----	1.000
Date:	----	29-SEP-1988
Time:	----	12:11

VOCOL
XXX
1.000

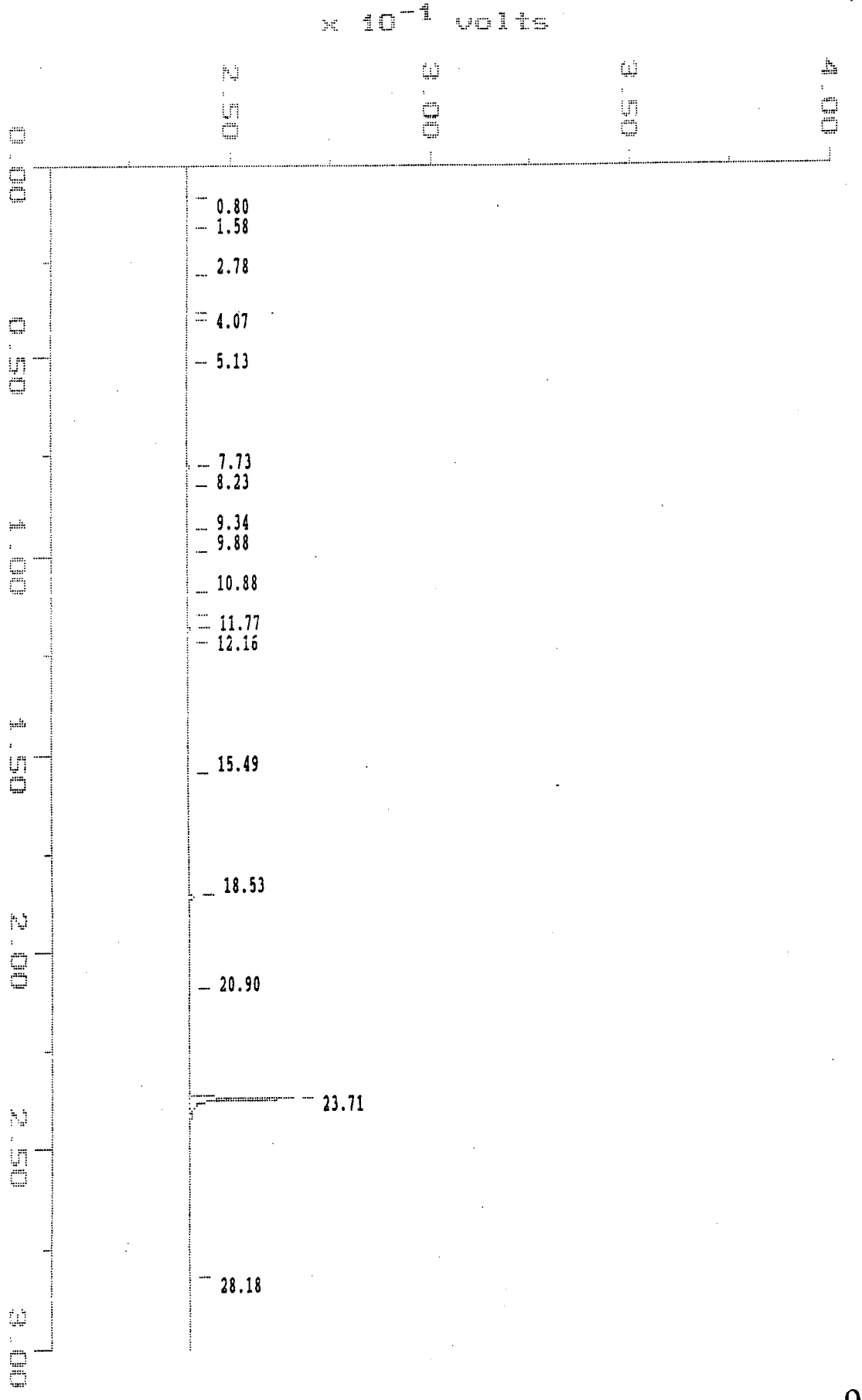
DB-624	VOCOL	** DB-624 ** Soln cnc	Finl cnc	** VOCOL ** Soln cnc	Finl cnc
Diethyl Ether	Diethyl Ether				
Acetone	Acetone				
MEK	MEK				
THF	THF				
Benzene	Benzene				
MIBK	2-CLetve P/MIBK	~~0.47~~	~~0.47~~		
Toluene	Toluene				
Ethylbenzene	Ethylbenzene	~~0.06~~	~~0.06~~		
p/m-Xylene	p/m-Xylene	~~0.03~~	~~0.03~~		
o-Xylen/Styrene	o-Xylene	~~0.12~~	~~0.12~~		
o-Xylen/Styrene	Styrene	~~0.12~~	~~0.12~~		
Cumene	Cumene	~~0.08~~	~~0.08~~		
----------	----------	----------	----------		
CL2FL2methane	CL2FL2methane	~~0.57~~	~~0.57~~		
Chloromethane	Chloromethane	~~0.06~~	~~0.06~~		
Vinyl Chlorid P	Vinyl Chlorid P	~~0.59~~	~~0.59~~		
Vinyl Chlorid H	Vinyl Chlorid H				
Bromomethane	Bromomethane				
Chloroethane	Chloroethane				
CL3FLmethane	CL3FLmethane	~~0.10~~	~~0.10~~		
1,1-CL2ethene P	1,1-CL2ethene P				
1,1-CL2ethene H	1,1-CL2ethene H	~~0.31~~	~~0.31~~		
CH2CL2	CH2CL2	0.82	0.82		
t-12-Cl2eten P	t-12-CL2eten P				
t-12-CL2eten H	t-12-CL2eten H				
1,1-CL2ethane	1,1-CL2ethane	~~0.02~~	~~0.02~~		
c-12-CL2etene P	c-12-CL2ethen P	~~0.08~~	~~0.08~~		
c-12-CL2etene H	c-12-CL2etene H	~~0.02~~	~~0.02~~		
Chloroform	Chloroform				
1,1,1-CL3ethane	1,1,1-CL3ethane				
Carbon CL4	Carbon CL4				
1,2-CL2ethane	1,2-CL2ethane				
CL3ethene P	CL3ethene P	~~0.05~~	~~0.05~~		
CL3ethene H	CL3ethene H				
1,2-CL2propane	1,2-CL2propane				
BRCL2methane	BRCL2methane				
2-CLethvineth P	2-CLetve P/MIBK				
2-CLethvineth H	2-CLetve H				
c-13-CL2prpen P	c-13-CL2prpen P				
c-13-CL2prpen H	c-13-CL2prpen H				
t-13-CL2prpen P	t-13-CL2prpen P	~~0.03~~	~~0.03~~		
t-13-CL2prpen H	t-13-CL2prpen H				
1,1,2-CL3ethane	1,1,2-CL3ethane				
CL4ethene P	CL4ethene P	~~0.05~~	~~0.05~~		
CL4ethene H	CL4ethene H				
BR2CLmethane	BR2CLmethane				
Chlorobenzene P	Chlorobenzene P	~~0.04~~	~~0.04~~		
Chlorobenzene H	Chlorobenzene H				
Bromoform	Bromoform				

(Contd. from previous page)

Sample:	----	METHOD BLANK	
Column:	----	DB-624	VOCOL
File:	----	AA092906	XXX
Dilution:	----	1.000	1.000
Date:	----	29-SEP-1988	
Time:	----	12:11	

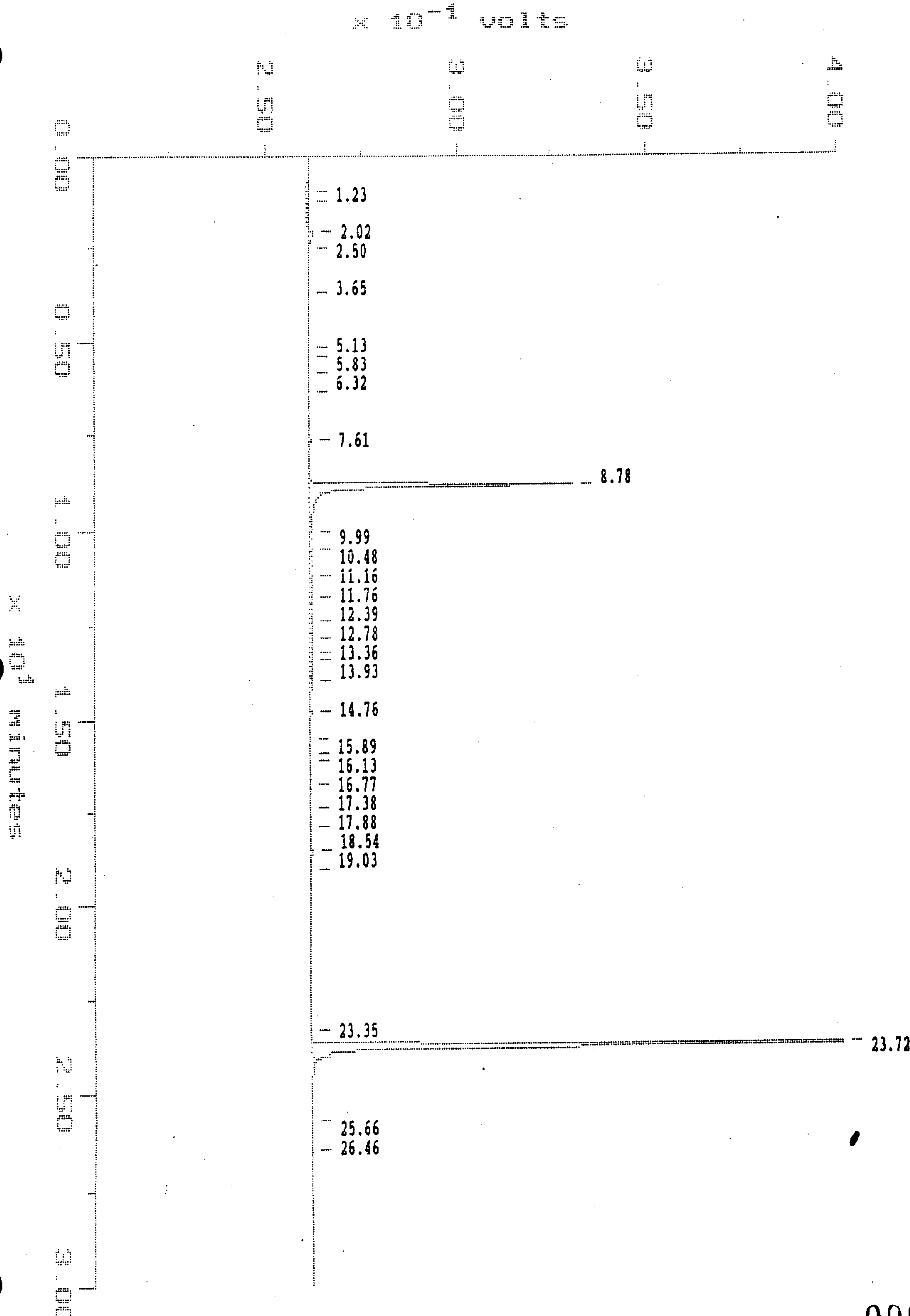
DB-624	VOCOL	** DB-624 ** Soln cnc	Finl cnc	** VOCOL ** Soln cnc	Finl cnc
1,1,2,2-CL4etha	1,1,2,2-CL4etha				
13-CL2benzene P	13-CL2benzene P				
13-CL2benzene H	13-CL2benzene H				
14-CL2benzene P	14-CL2benzene P	0.37	0.37		
14-CL2benzene H	14-CL2benzene H	0.06	0.06		
12-CL2benzene P	12-CL2benzene P				
12-CL2benzene H	12-CL2benzene H				
----------	----------	----------	----------		
o-CLtoluene P	o-CLtoluene(P)	9.57	9.57		
o-CLtoluene H	o-CLtoluene(H)	8.84	8.84		

Sample: METHOD BLANK Channel: PID Col:DB-624 Filename: AA092006
Acquired: 20-SEP-88 11:52 Method: C:\MAX\1194\AA_0920 Operator:



000539 cuf
~~000646~~
11/15/88

Sample: METHOD BLANK   Channel: HALL Col:DB-624   Filename: AA092006
Acquired: 20-SEP-88 11:52   Method: C:\MAX\1194\AA_0920   Operator: [signature]



000540
~~000647~~ 11/15/88

MAXIMA 820 CUSTOM REPORT

Printed: 13-OCT-1988 15:44:14

SAMPLE: METHOD BLANK
#6 in Method: VOA 601/602 Tracor 1194
Acquired: 20-SEP-1988 11:52
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: UNKN
Instrument: TRACOR 1194
Filename: AA092006
Index: Disk

DETECTOR: PID Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	0.800	BB	1568			
2	1.583	BB	2585			
3	2.775	BB	5504			
4	3.867	BP	1999			
5	4.067	PB	2286			
6	5.125	BB	2668			
7	7.733	BP	5090			
8	8.225	PB	1920			
9	9.342	BB	1682			
10	9.875	BB	1032			
11	10.883	BP	2565			
12	11.450	PB	2611			
13	11.767	BP	4843			
14	12.158	PB	4556			
15	15.492	BB	917			
16	18.533	BB	7018			
17	20.900	BB	398	0.15	0.15	p/m-xylene
18	23.708	BB	153028	9.87	9.87	o-CLtoluene (P)
19	28.183	BB	3454			
TOTAL			205724	10.03	10.03	

DETECTOR: HALL Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	0.942	BP	2798			
2	1.225	PP	5519			
3	2.017	PP	27582			
4	2.500	PB	9753			

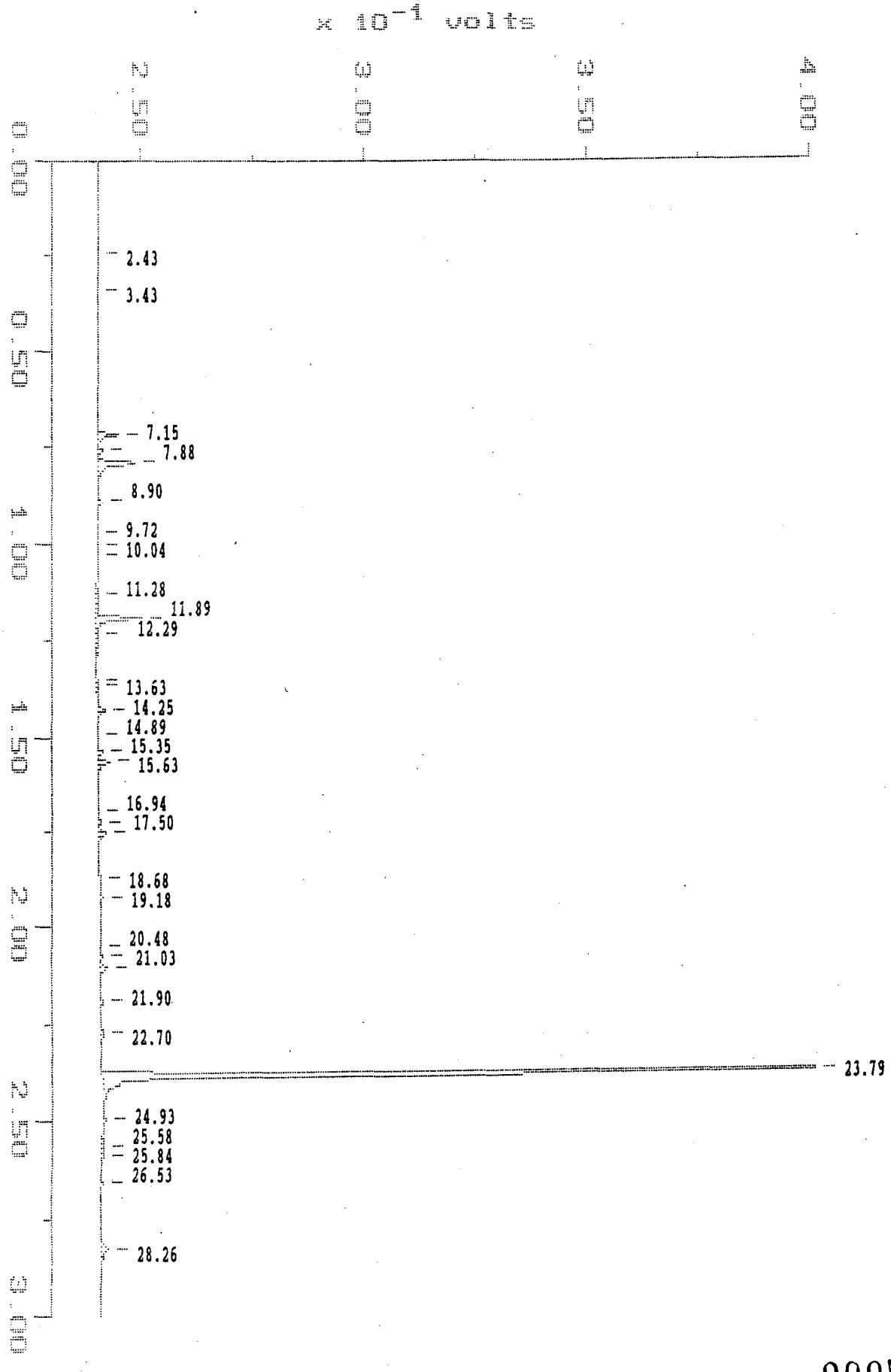
000541
~~000643~~ CF
11/15/88

AA092006

5	3.650	BB	802	0.08	0.08	vinyl chloride
6	5.125	BP	3604			
7	5.383	PP	2340			
8	5.825	PP	4542	0.06	0.06	CL3FLmethane
9	6.317	PB	1820			
10	7.608	BB	7620	0.10	0.10	Freon-113
11	8.783	BP	514999	0.91	0.91	CH2CL2
12	9.992	SV	3825			
13	10.475	VS	3225	0.03	0.03	1,1-CL2ethane
14	11.158	PP	4179			
15	11.758	PP	11015	0.01	0.01	c-1,2-CL2ethene
16	12.392	PP	13278	0.03	0.03	chloroform
17	12.775	PP	4113	0.00	0.00	1,1,1-CL3ethane
18	13.192	PP	6739	0.02	0.02	carbon CL4
19	13.358	PP	11162	0.00	0.00	1,2-CL2ethane
20	13.933	PB	6047			
21	14.758	BP	2096	0.01	0.01	CL3ethene
22	15.550	PP	1270			
23	15.892	PP	1890	Invalid	Invalid	BRCL2methane
24	16.133	PP	2015			
25	16.767	PB	1175	0.02	0.02	c-1,3-CL2propen
26	17.383	BP	1470			
27	17.875	PP	3393	0.03	0.03	t-1,3-CL2propen
28	18.542	PP	6719	Invalid	Invalid	CL4ethene
29	19.025	PB	2019	0.05	0.05	BR2CLmethane
30	23.350	BB	-1875	Invalid	Invalid	1,1,2,2-CL4etha
31	23.717	BB	1283394	9.43	9.43	o-CLtoluene (H)
32	25.658	BB	2455	Invalid	Invalid	1,4-CL2benzene
33	26.458	BB	989	Invalid	Invalid	1,2-CL2benzene
TOTAL			1955722	10.78	10.78	

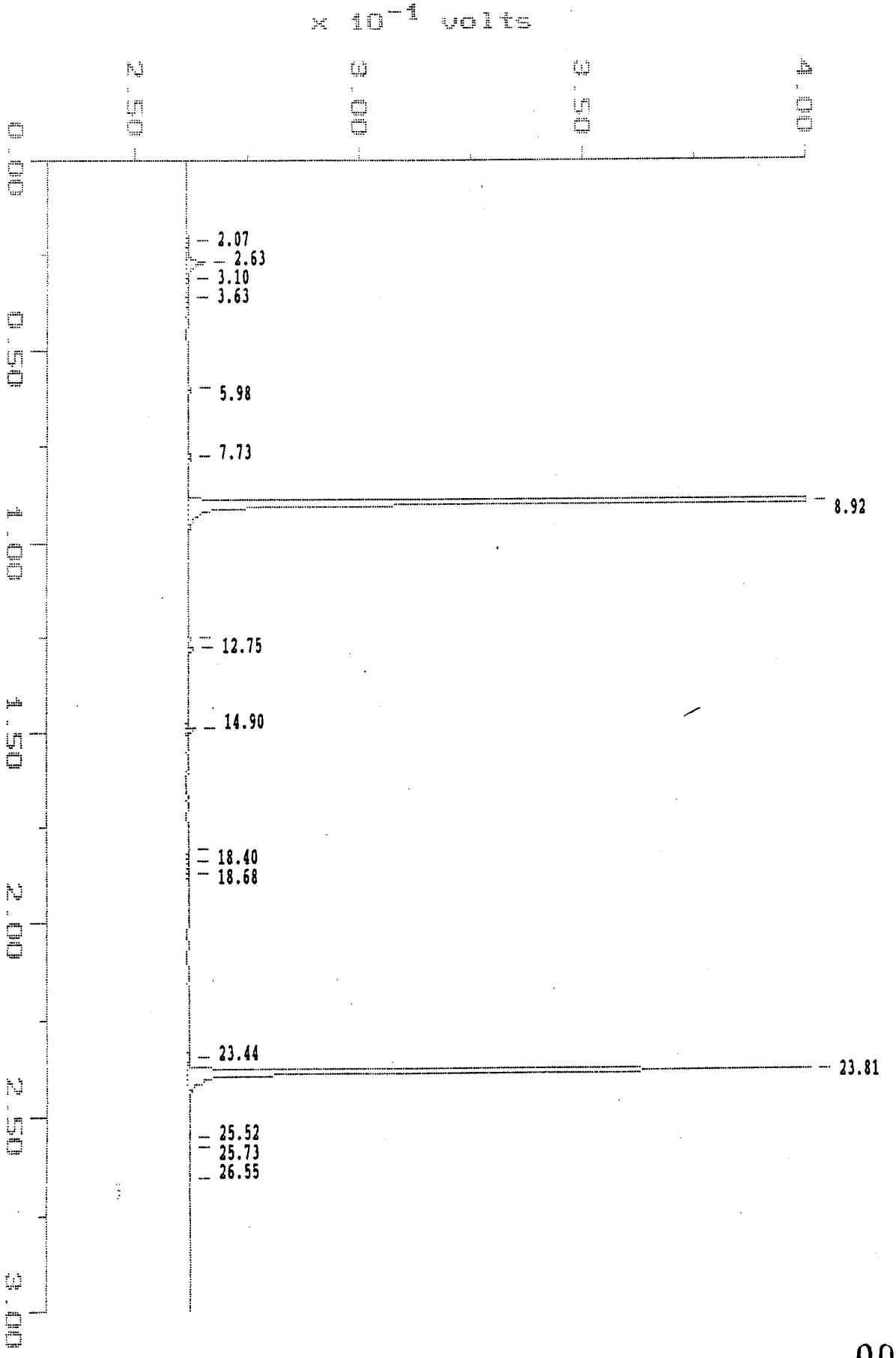
000542 CF
~~000649~~
11/15/88

Sample: METHOD BLANK Channel: PID Col:DB-624 Filename: AA092807
Acquired: 28-SEP-88 21:07 Method: C:\MAX\1194\AA0928MA Operator: GBS



000543

Sample: METHOD BLANK Channel: HALL Col:DB-624 Filename: AA092807
Acquired: 28-SEP-88 21:07 Method: C:\MAX\1194\AA0928MA Operator: GBS



MAXIMA 820 CUSTOM REPORT

Printed: 27-OCT-1988 15:42:42

SAMPLE: METHOD BLANK
#6 in Method: TRACOR 1194 - PROCESSING - SPEC
Acquired: 28-SEP-1988 21:07
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: UNKN
Instrument: TRACOR 1194
Filename: AA092807
Index: Disk

DETECTOR: PID Col:DB-624

Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/KG)	Component Name
2.433	0.102	BB	145	682			
3.425	0.144	BB	162	725	Invalid	Invalid	Vinyl Chlorid P
7.150	0.301	BP	4642	36319	Invalid	Invalid	Diethyl Ether
7.542	0.317	PP	1047	7945	0.07	0.07	1,1-CL2ethene P
7.883	0.331	PB	8523	75026	2.03	2.03	Acetone
8.900	0.374	BB	1055	7347			
9.717	0.408	BP	117	963	0.06	0.06	t-12-Cl2eten P
10.042	0.422	PP	126	1125			
10.267	0.432	PB	106	1110			
11.283	0.474	BP	248	3110			
11.892	0.500	PB	10326	74205	0.48	0.48	c-12-CL2etene P
12.292	0.517	SS	180	1837	1.51	1.51	THF
13.508	0.568	BP	218	930	0.07	0.07	Benzene
13.633	0.573	PP	495	6981			
14.250	0.599	PP	1961	15508			
14.892	0.626	PP	455	3270	0.03	0.03	CL3ethene P
15.350	0.645	PP	1084	7629			
15.625	0.657	PB	2906	22660			
16.942	0.712	BP	135	1695	0.11	0.11	c-13-CL2prpen P
17.225	0.724	PP	575	3884	3.31	3.31	MIBK
17.500	0.736	PB	1686	12005	0.01	0.01	Toluene
18.683	0.785	BP	404	3550	0.04	0.04	CL4ethene P
19.183	0.806	PB	418	2767			
20.475	0.861	BP	114	833	0.07	0.07	Chlorobenzene P
20.750	0.872	PP	341	2363	0.06	0.06	Ethylbenzene
21.025	0.884	PB	1410	10943	0.03	0.03	p/m-Xylene
21.900	0.920	BB	596	4052	0.11	0.11	o-Xylen/Styrene
22.700	0.954	BB	479	4150	0.06	0.06	Cumene
23.792	1.000	BB	265337	1315929	9.23	9.23	o-CLtoluene P
24.925	1.048	BB	565	-4229			
25.583	1.075	SV	644	7604	0.10	0.10	13-CL2benzene P
25.842	1.086	VS	234	2277	0.08	0.08	14-CL2benzene P
26.533	1.115	SS	277	4002	0.09	0.09	12-CL2benzene P
28.258	1.188	BB	1199	11367			

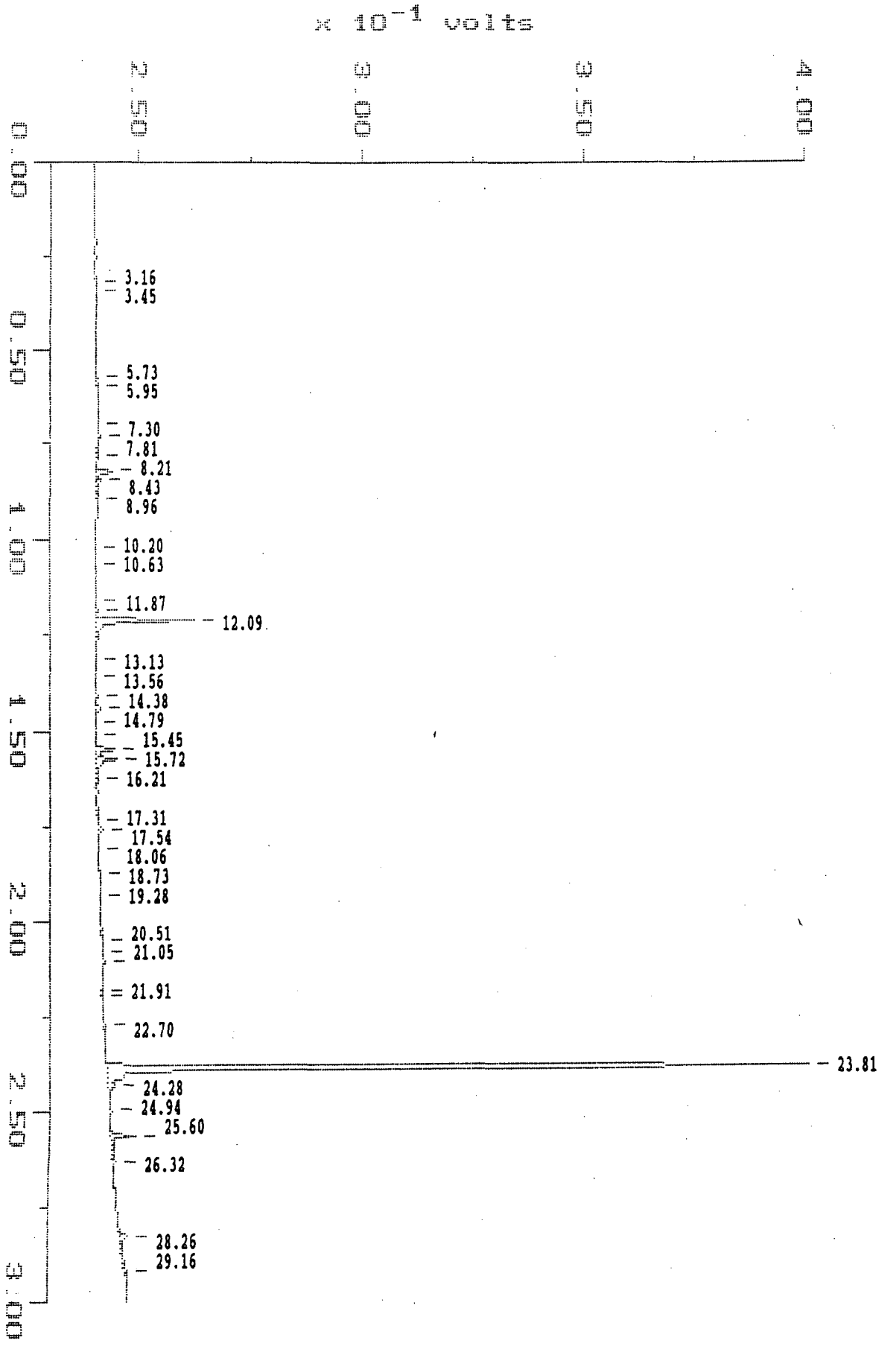
AA09807

TOTAL	308211	1659020	17.54	17.54

DETECTOR: HALL Col:DB-624

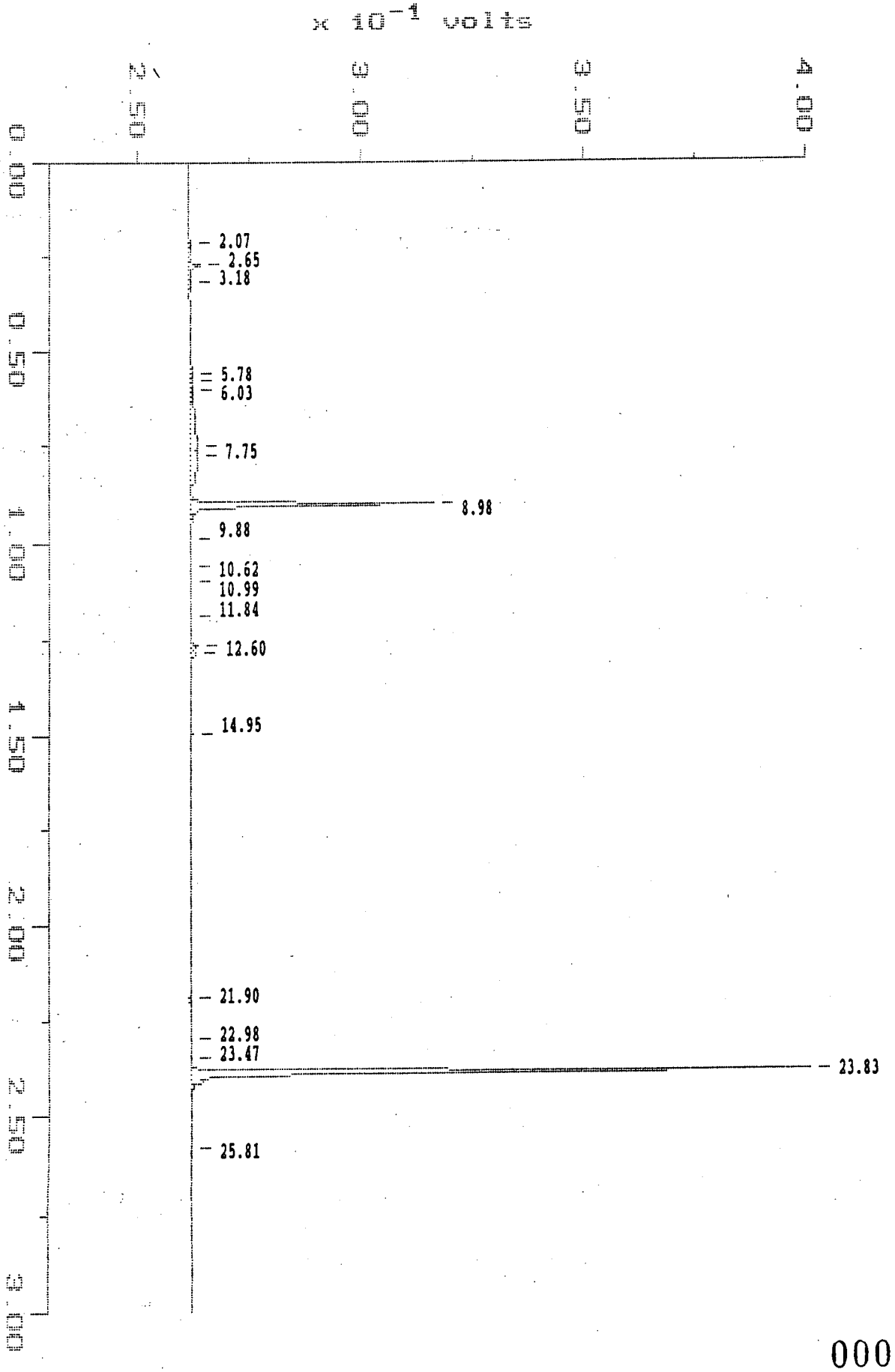
Retention Time (minutes)	Relative Time (minutes)	Type	Peak Height	Peak Area	Solution Conc (ug/L)	Original Conc (ug/KG)	Component Name
2.067	0.087	BP	255	3083			
2.633	0.111	PB	4104	49801	0.21	0.21	CL2FL2methane
3.100	0.130	SS	123	1286	Invalid	Invalid	Chloromethane
3.633	0.153	SS	147	1067	0.01	0.01	Vinyl Chlorid H
5.983	0.251	BB	726	5841	Invalid	Invalid	CL3FLmethane
7.725	0.324	BB	973	8774			
8.917	0.375	BB	267954	1699903	0.15	0.15	CH2CL2
12.500	0.525	BP	439	2252	Invalid	Invalid	Chloroform
12.750	0.536	PB	1239	8236	Invalid	Invalid	1,1,1-CL3ethane
14.900	0.626	BB	1630	9283	0.02	0.02	CL3ethene H
18.058	0.758	BP	66	523	0.02	0.02	t-13-CL2prpen H
18.400	0.773	PP	130	1144	0.01	0.01	1,1,2-CL3ethane
18.675	0.784	PB	345	2334	0.01	0.01	CL4ethene H
23.442	0.985	BP	184	1114	0.02	0.02	1,1,2,2-CL4etha
23.808	1.000	PB	165761	984175	9.74	9.74	o-CLtoluene H
25.517	1.072	BP	199	993	0.03	0.03	13-CL2benzene H
25.733	1.081	PB	260	1705	0.04	0.04	14-CL2benzene H
26.550	1.115	BB	281	1729	0.05	0.05	12-CL2benzene H
TOTAL			444813	2783243	10.32	10.32	

Sample: METHOD BLANK Channel: PID Col:DB-624 Filename: AA092906
Acquired: 29-SEP-88 12:11 Method: C:\MAX\1194\AA0929MA Operator: GBS



000547

Sample: METHOD BLANK Channel: HALL Col:DB-624 Filename: AA092906
Acquired: 29-SEP-88 12:11 Method: C:\MAX\1194\AA0929MA Operator: GBS



000548

MAXIMA 820 CUSTOM REPORT

Printed: 9-NOV-1988 10:27:29

SAMPLE: METHOD BLANK
#6 in Method: TRACOR 1194 - PROCESSING - SPEC
Acquired: 29-SEP-1988 12:11
Rate: 2.0 points/sec
Duration: 31.000 minutes
Operator:

Type: UNKN
Instrument: TRACOR 1194
Filename: AA092906
Index: Disk

DETECTOR: PID Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	3.158	BP	2683			
2	3.450	PB	8353	0.59	0.59	Vinyl Chlorid P
3	5.733	BP	3145			
4	5.950	PB	1401			
5	7.000	BP	1337			
6	7.300	PP	11589	Invalid	Invalid	Diethyl Ether
7	7.808	PP	3967	Invalid	Invalid	Acetone
8	8.208	PP	24372			
9	8.425	PP	10633			
10	8.958	PB	2683			
11	10.200	BP	3757			
12	10.625	PB	2133			
13	11.592	BP	821	0.08	0.08	c-12-CL2etene P
14	11.867	PP	2672	Invalid	Invalid	MEK
15	12.092	PP	154042			
16	13.133	SS	2350			
17	13.558	PP	2132	Invalid	Invalid	Benzene
18	14.067	PP	6944			
19	14.375	PP	10810			
20	14.792	PP	2370	0.05	0.05	CL3ethene P
21	15.100	PP	1352			
22	15.450	PP	29966			
23	15.717	PB	37296			
24	16.208	SS	1055			
25	17.308	BP	2692	0.47	0.47	MIBK
26	17.542	PP	6873	Invalid	Invalid	Toluene
27	18.058	PB	1635	0.03	0.03	t-13-CL2prpen P
28	18.733	BP	4193	0.05	0.05	CL4ethene P
29	19.275	PB	1109			
30	20.508	BP	2663	0.04	0.04	Chlorobenzene P
31	20.792	PP	1239	0.06	0.06	Ethylbenzene
32	21.050	PB	2833	0.03	0.03	p/m-Xylene
33	21.817	BP	1715			
34	21.908	PP	4555	0.12	0.12	o-Xylen/Styrene

AA099906

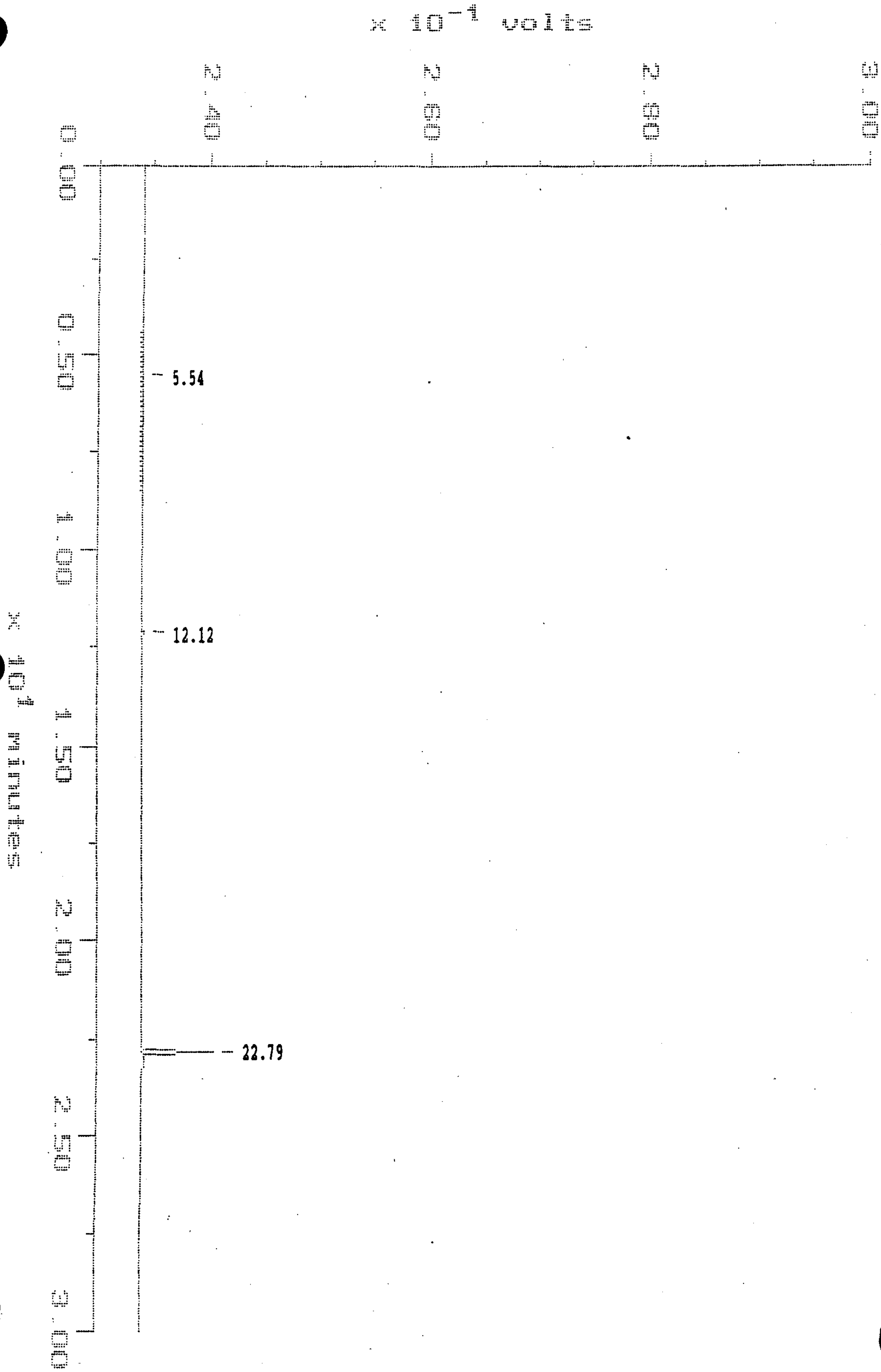
35	22.700	PB	5271	0.08	0.08	Cumene
36	23.808	BP	1295551	9.57	9.57	o-CLtoluene P
37	24.283	SS	4103			
38	24.942	PP	3546			
39	25.600	PP	40364	0.37	0.37	14-CL2benzene P
40	26.317	PP	12091			
41	28.258	PP	-6347			
42	29.158	PB	2441			
43	30.442	BB	2282			
TOTAL			1729366	11.54	11.54	

DETECTOR: HALL Col:DB-624

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (ppb)	Component Name
1	2.067	BP	3916			
2	2.650	PB	22383	0.57	0.57	CL2FL2methane
3	3.183	SS	3541	0.06	0.06	Chloromethane
4	5.550	BP	8051			
5	5.775	PP	3989			
6	6.025	PP	16813	0.10	0.10	CL3FLmethane
7	7.508	PP	73547	0.31	0.31	1,1-CL2ethene H
8	7.750	PP	68301			
9	8.975	PP	339921	0.82	0.82	CH2CL2
10	9.875	SS	1042			
11	10.617	PP	3145	0.02	0.02	1,1-CL2ethane
12	10.992	PB	1481			
13	11.842	BB	2732	0.02	0.02	c-12-CL2etene H
14	12.600	BP	7488			
15	12.800	PB	5135	Invalid	Invalid	1,1,1-CL3ethane
16	14.950	BB	2838	Invalid	Invalid	CL3ethene H
17	21.900	BB	1500			
18	22.975	BP	2145			
19	23.467	PP	2023	Invalid	Invalid	1,1,2,2-CL4etha
20	23.825	PB	830496	8.84	8.84	o-CLtoluene H
21	25.808	BB	810	0.06	0.06	14-CL2benzene H
TOTAL			1401297	10.81	10.81	

Sample: METHOD BLANK Channel: PID Col:VOCOL Filename: AB092004

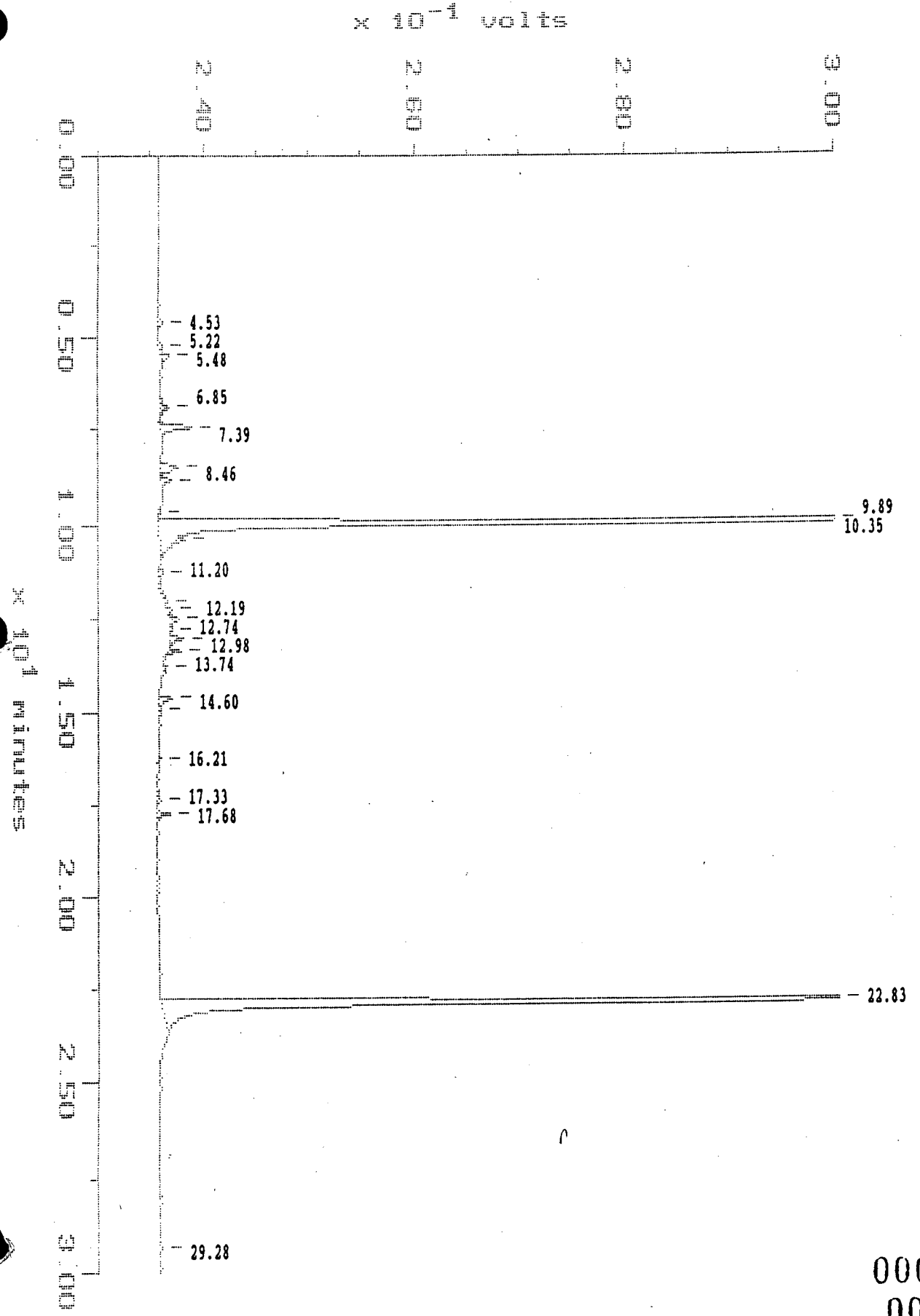
Acquired: 20-SEP-88 10:05 Method: C:\MAX\860\AB_0920 Operator: Gary



000551

~~000662~~ CLF 11/15/88

Sample: METHOD BLANK Channel: HALL Col:VOCOL Filename: AB092004
Acquired: 20-SEP-88 10:05 Method: C:\MAX\860\AB_0920 Operator:



000552 of 000663 11/15/18

MAXIMA 820 CUSTOM REPORT

Printed: 7-NOV-1988 12:26:08

SAMPLE: METHOD BLANK
#4 in Method: VOA 860 601/602
Acquired: 20-SEP-1988 10:05
Rate: 2.0 points/sec
Duration: 30.500 minutes
Operator:

Type: UNKN
Instrument: TRACOR 860
Filename: AB092004
Index: 4

DETECTOR: PID Col:VOCOL

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (PPB)	Component Name
1	5.542	BB	48363			
2	12.117	BB	1224			
3	22.792	BB	29225	4.53	4.53	o-CLtoluene(P)
TOTAL			78812	4.53	4.53	

DETECTOR: HALL Col:VOCOL

PK#	Retention Time (minutes)	Type	Peak Area	Solution Conc	Original Conc (PPB)	Component Name
1	4.533	BB	2892			
2	5.217	BP	2681	0.01	0.01	Chloromethane
3	5.483	PB	6687	0.01	0.01	Vinyl chloride
4	6.850	BB	7701	0.01	0.01	Chloroethane
5	7.392	BB	24168	0.03	0.03	CL3FLmethane
6	8.458	BP	17087	0.06	0.06	Freon-113
7	8.783	PB	7611	0.01	0.01	1,1-CL2ethene
8	9.633	BP	1589			
9	9.892	PB	1659675	1.18!!	1.18!!	CH2CL2
10	10.350	SS	3986	0.00	0.00	t-1,2-CL2ethene
11	11.200	BP	3543	0.00	0.00	1,1-CL2ethane
12	11.975	PB	2134			
13	12.192	BB	505	0.00	0.00	c-1,2-CL2ethene
14	12.450	BB	3921	Invalid	Invalid	Chloroform
15	12.742	BB	329			
16	12.975	BB	9320	0.01	0.01	1,1,1-CL3ethane
17	13.325	BB	6138	0.01	0.01	Carbon CL4
18	13.742	BB	3461	0.00	0.00	1,2-CL2ethane
19	14.600	BP	10175	0.01	0.01	CL3ethene
20	14.925	PB	2247	0.00	0.00	1,2-CL2propane

000553 ~~000664~~ CLF 11/15/88

ABOVE

21	16.208	BB	1338	0.00	0.00	c-1,3-CL2propen
22	17.325	BB	1892	0.00	0.00	1,1,2-CL3ethane
23	17.683	BB	6403	0.01	0.01	CL4ethene
24	22.825	BB	1452209	4.28	4.28	o-CLtoluene(H)
25	29.283	BB	8845			
TOTAL			3246541	5.64!!	5.64!!	

!! Result calculation based on peak response more than 10% outside of calibration range.

000554

~~000665~~ 11/15/88 CF

SAMPLE PREPARATION PACKAGE

aquatec

ENVIRONMENTAL SERVICES

75 Green Mountain Drive, So. Burlington, VT 05403
TEL. 802/658-1074

F-0294

000555

Water ~~Pesticide~~/PCBs LMS
Case ETR 14944
20 SEP 88
EAM

~~Analyst~~	~~Date~~	spl ID	SHO #	ml spl	pH	50 µl of 20ppm Surr Pest	100 µL of 2ppm/5ppm MS Pest	60 ml $MeCl_2$ (3x)	conc → 10 ml	5 ml → GPC	solvent exchange w/hexane	conc → 0.5 ml	adjust volume → 1 ml w/acetone	alumina Lot 153	conc → 10 ml
B09	208	BW6P		1000	✓	✓	X	✓	X	X	✓	✓	✓	✓	✓
		88886	4474 4477 7263	200	✓	✓	X	✓	X	X	✓	✓	✓	✓	✓

TM BC

9-21-88

BC

Reviewed by MRV 10/7/88

* If GPC is to be performed, double amount of surr...

Pesticide/~~BNA~~
Low Level Soil

Case: LMS 14944

Date: 9/21/88

Analyst: WBR

000556

Aquatec Sample ID	SMO #	gm sample WBR	60 gm Na_2SO_4 & stir	100 ml 1:1 acetone/CH_2Cl_2	Surr. A 1 ml of 200 ppm	Surr. BN 1 ml of 100 ppm	MS A 2 ml of 200 ppm	MS BN 2 ml of 100 ppm	Pest. S 200 µl of 20 ppm	Pest. MS 800 µl of 2/5 ppm	Sonicate 1.5 min.	2x 100 ml 1:1 acetone/CH_2Cl_2	screen extract (5 ml + 1 ml)	conc → 10 ml (filtered)	5 ml → GPC	conc → 10 ml	~~split 2 ml → Pest/8 ml → BNA~~	~~BNA: 8 ml → 0.8 ml~~	Pesticide:	take 0.5 ml of ~~2 ml~~ 10 ml; add 5 ml hexane	conc → 0.5 ml; add 0.5 ml acetone #56	elute through alumina	conc → ~~1.0 ml~~ 10 ml MRV		pH	% Solid
B0920885	—	30.0	✓	✓	X	X	X	X	✓	X	✓	✓	✓	✓						✓	✓	✓	✓			
* 88891	7262	30.0	✓	✓	X	X	X	X	✓	X	✓	✓	✓	✓						✓	✓	✓	✓			
M88891	7262	30.1	✓	✓	X	X	X	X	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓			

MRV / WBR

* Screened Medium Level

Reviewed by MRV 9/30/88

MRV 9/30/88

Lawler, Matusky, + Skelly
14944

000557

	wt spl (g)	pH <2	Add 25g Na_2SO_4 + stir	Soxhlet extract with Freon 4 hrs	wt of sample extract	ml spl.
B0917885*	-	✓	/	✓	257.0	164
88887	20.68	✓	/	✓	254.9	163
88888	21.46	✓	/	✓	264.4	169
58889	20.47	✓	/	✓	258.5	165
88890	20.94	✓	/	✓	236.6	151
88888	20.64	✓	/	✓	249.1	159

* 100 mls of freon weighs 156.1g

MCV

0020

LMS 14944
Petroleum HC in water

9/17/88
MRV

spl ID	SMO#	wt/Vspl	pH<2	Extract 3X w/ 30ml Freon	Adjust → 100ml	Add 3gm 2% Silica Gel + mix								
B091788W/S		1000	✓	✓	✓	✓								
88885	4471, 4475, 4476	357	✓	✓	✓	✓								

MRV 9/20/88

MRV

000553

00030

RWL 9-12-88 MAC-400

LAB #	% Solid	ETR
88578	85.87	14871
88629	85.08	14887
88670	80.94	14897
88766	83.40	14918
88856	79.98	14935
88887	80.06	14944
88888	84.61	
88889	86.89	
88890	70.39	
88903	69.69	14948
88904	97.43	
88905	74.88	

CRUCIBLE DRIFT OUT OF RANGE

09:54 09/13/88

11:42 09/13/88

FURNACE # 1 RESULTS

578 MOISTURE 14.13%
629 MOISTURE 14.92%
670 MOISTURE 19.05%
766 MOISTURE 15.60%
856 MOISTURE 20.02%
887 MOISTURE 19.98%
888 MOISTURE 15.39%
889 MOISTURE 13.11%
890 MOISTURE 29.51%
903 MOISTURE 30.31%
904 MOISTURE 2.57%
905 MOISTURE 25.13%

END OF FURNACE #1 ANALYSIS

RWL

% SOLIDS - MAC-400

9/20/88 csp

Sample	% Solids	Client
86172	92.55	GE
86173	81.06	
86174	85.89	
86175	82.96	
86176	76.83	
86177	80.10	
86178	79.54	
86179	78.95	
88706	88.11	Ebasco Highway
88708	85.16	"
88856	67.48	Ebasco Highway
88891	88.02	LMS
89118	71.34	Ebasco Highway
89008	56.29	State of VT
89010	72.70	
89011	70.51	
89012	74.65	
89013	81.25	
89014	83.43	

csp

FURNACE # 1 RESULTS

ID #BS617200-01 DRY	AS DET
SAMPLE WEIGHT	5.677 G
MOISTURE	7.45%
ID #BS617300-02 DRY	AS DET
SAMPLE WEIGHT	5.534 G
MOISTURE	18.94%
ID #BS617400-03 DRY	AS DET
SAMPLE WEIGHT	5.548 G
MOISTURE	14.11%
ID #BS617500-04 DRY	AS DET
SAMPLE WEIGHT	5.327 G
MOISTURE	17.04%
ID #BS617600-05 DRY	AS DET
SAMPLE WEIGHT	5.377 G
MOISTURE	23.17%
ID #BS617700-06 DRY	AS DET
SAMPLE WEIGHT	5.309 G
MOISTURE	19.90%
ID #BS617800-07 DRY	AS DET
SAMPLE WEIGHT	5.536 G
MOISTURE	20.46%
ID #BS617900-08 DRY	AS DET
SAMPLE WEIGHT	5.381 G
MOISTURE	21.95%
ID #BS870600-09 DRY	AS DET
SAMPLE WEIGHT	5.691 G
MOISTURE	11.89%
ID #BS870800-10 DRY	AS DET
SAMPLE WEIGHT	5.497 G
MOISTURE	14.84%
ID #BS885600-11 DRY	AS DET
SAMPLE WEIGHT	5.295 G
MOISTURE	32.52%
ID #BS889100-12 DRY	AS DET
SAMPLE WEIGHT	5.568 G
MOISTURE	11.98%
ID #BS911800-13 DRY	AS DET
SAMPLE WEIGHT	5.896 G
MOISTURE	28.66%
ID #BS900300-14 DRY	AS DET
SAMPLE WEIGHT	5.434 G
MOISTURE	41.71%
ID #BS901000-15 DRY	AS DET
SAMPLE WEIGHT	5.623 G
MOISTURE	27.38%
ID #BS901100-16 DRY	AS DET
SAMPLE WEIGHT	5.578 G
MOISTURE	29.49%
ID #BS901200-17 DRY	AS DET
SAMPLE WEIGHT	5.359 G
MOISTURE	25.35%
ID #BS901300-18 DRY	AS DET
SAMPLE WEIGHT	5.613 G
MOISTURE	18.75%
ID #BS901400-19 DRY	AS DET
SAMPLE WEIGHT	5.745 G
MOISTURE	16.57%

000560

END OF FURNACE #1 ANALYSIS

% SOLIDS — MAC-400 9/13/88 CSP

Sample	% solid	Client
88535	74.61	ST. of VT DEC
88536	83.43	
88537	70.99	
88618	85.84	Balsam Environ.
88619	89.32	
88620	89.96	
88578	86.72	EBASCO Highway
88629	82.38	
88670	79.96	
88676	83.75 *	ETR 14359 NY State
88766	83.09	EBASCO Highway
88857	76.71	
88857	87.88	
88892	~~85.50~~ 84.16	LMS
88893	85.50	
88894	87.50	

FURNACE # 1 RESULTS

ID #8888[illegible]-01 DRY	AS DET
SAMPLE WEIGHT	5.334 G
MOISTURE	25.89%
ID #8888[illegible]-02 DRY	AS DET
SAMPLE WEIGHT	5.715 G
MOISTURE	16.57%
ID #8888[illegible]-03 DRY	AS DET
SAMPLE WEIGHT	5.001 G
MOISTURE	29.91%
ID #8888[illegible]-04 DRY	AS DET
SAMPLE WEIGHT	5.365 G
MOISTURE	14.16%
ID #8888[illegible]-05 DRY	AS DET
SAMPLE WEIGHT	5.375 G
MOISTURE	10.68%
ID #8888[illegible]-06 DRY	AS DET
SAMPLE WEIGHT	5.511 G
MOISTURE	10.94%
ID #8888[illegible]-07 DRY	AS DET
SAMPLE WEIGHT	5.502 G
MOISTURE	13.35%
ID #8888[illegible]-08 DRY	AS DET
SAMPLE WEIGHT	5.771 G
MOISTURE	17.52%
ID #8888[illegible]-09 DRY	AS DET
SAMPLE WEIGHT	5.893 G
MOISTURE	20.04%
ID #8888[illegible]-10 DRY	AS DET
SAMPLE WEIGHT	5.333 G
MOISTURE	16.25%
ID #8888[illegible]-11 DRY	AS DET
SAMPLE WEIGHT	5.777 G
MOISTURE	16.91%
ID #8888[illegible]-12 DRY	AS DET
SAMPLE WEIGHT	5.452 G
MOISTURE	23.29%
ID #8888[illegible]-13 DRY	AS DET
SAMPLE WEIGHT	5.690 G
MOISTURE	12.12%
ID #8888[illegible]-14 DRY	AS DET
SAMPLE WEIGHT	5.386 G
MOISTURE	15.84%
ID #8888[illegible]-15 DRY	AS DET
SAMPLE WEIGHT	5.337 G
MOISTURE	[illegible]
ID #8888[illegible]-16 DRY	AS DET
SAMPLE WEIGHT	[illegible] G
MOISTURE	12.59%

1) LMS etr 14444 ✓
(2) STO Ind. etr 14701
(3) NYS etr 15085
(4) NYS etr 15085
(5) BalsamEnv. etr 14882
(6) State of VT etr 14964

GC LOG DATA SHEET

AF1005MA

CASE/ETR NUMBER (see list above) RUN DATE 10/5/88

START RUN NUMBER #848 RUN TIME (APPROX)

NUMBER OF SAMPLES GC ID HP #850

NOTES COLUMN ID #10227-846

COLUMN DESCRIPTION FSC RTx-5

GC OPERATOR JWM

RUN No.	SAMPLE No.	DESCRIPTION	
	00		
#848	01	Evaluation mix a	AF100501
	02	Evaluation mix b	
	03	Evaluation mix c	
	04	Pesticide mix a 50%	
	05	Pesticide mix b 50%	
	06	Toxaphene 400 ppb	
	07	Chlordane + ? 5 ppb	
	08	Aroclor 1660 200 ppb	
	09	Aroclor 1221 250 ppb	
	10	Aroclor 1232 250 ppb	
	11	Aroclor 1242 200 ppb	
	12	Aroclor 1248 200 ppb	
	13	Aroclor 1254 150 ppb	
	14	Blank	
	15	B090788W3P	
	16	87788 1:200	
	17	87788 1:100	
	18	87788 1:50	
	19	87788 1:20	
	20	Blank	
	21	Evaluation mix b	
	22	Blank	
	23	B092688W1P	
	24	89360	
	25	89361	
	26	89362	
	27	89363	
	28	Blank	
	29	Pesticide mix a 50%	
	30	Blank	
	31	B092888W1	
	32	89364	
	33	89457	
	34	m 89360 1:5	
*	35	88891 1:100	
	36	Blank	
	37	Evaluation mix b	
*	38	m 88891 1:100	
	39	89459	
	40	89460	
	41	m 89360	
	42	mD 89360	
	43	Blank	
	44	Pesticide mix b 50%	
	45	Blank	
	46	B091988W2P	
	47	B092388S2 1:5	
	48	89461	
	49	89462	✓

RUN No.	SAMPLE No.	DESCRIPTION	
	50	89007	
	51	Blank	
	52	Evaluation mix b	
	53	Blank	
	54	B091288S2 1:5	
	55	89008 1:5	
	56	89010 1:5	
	57	89011 1:5	
	58	88618 1:5	
	59	Blank	
	60	Pesticide mix a 50%	
	61	88619 1:5	
	62	88620 1:5	
	63	89458 1:1	
	64	MD 89360 1:5	
	65	Blank	
	66	Evaluation mix b	
	67	Pesticide mix a 50%	✓
	68	Pesticide mix b 50%	AF100568
	69		
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000562

F145124

LIMS 14944 ✱ GC ECC DATA SHEET

15047
15119
15083
15069

CASE/ETR NUMBER E Basin Hwy

RUN DATE 30 Oct 88

START RUN NUMBER 769

RUN TIME (APPROX) 13:15

NUMBER OF SAMPLES

GC ID 850

NOTES

COLUMN ID 10227-846

COLUMN DESCRIPTION FX RTx-5

GC OPERATOR Kat

RUN No.	SAMPLE No.	DESCRIPTION	
	00		
769	01	Blank	
	02	Evaluation Mix a	AE100302
	03	Evaluation Mix b	
	04	Evaluation Mix C	
	05	Blank	
	06	DDT 10%	
	07	DDT 50%	
	08	DDT 100%	
	09	Pesticide Mix a 50%	
	10	Pesticide Mix b 50%	
	11	Toxaphene 400ppb	
	12	α, γ chlordane 5ppb	
	13	Aroclor 1016/1260 200/200 ppb	
	14	Aroclor 1221 250 ppb	
	15	Aroclor 1232 250 ppb	
	16	Aroclor 1242 200 ppb	
	17	Aroclor 1248 200 ppb	
	18	Aroclor 1254 150 ppb	
	19	Blank	
	20	B092188S2 1:5	
	21	B092888S2P 1:5	
	22	89299 1:5	
	23	89330 1:5	
	24	89331 1:5	
	25	Blank	
	26	Evaluation Mix b	
	27	89413 1:5	
	28	89455 1:5	
	29	89771 1:5	
	30	89772 1:5	
	31	89773 1:5	
	32	Blank	
	33	Pesticide Mix a 50%	
	34	89299 1:5 Sulfur	
	35	89331 1:5 Sulfur	
	36	Blank	
	37	Evaluation Mix b	
	38	Pesticide Mix a 50%	
	39	Pesticide Mix b 50%	
	40	Blank	
	41	B092088W6 1:1	✱
	42	B092088S1 1:5	✱
	43	88886 1:1	✱
	44	88891 1:5	✱
	45	M88891 1:10	✱
	46	Blank	
	47	Evaluation Mix b	
	48	M88891 1:5	✱
	49	Blank	✱

RUN No.	SAMPLE No.	DESCRIPTION
	50	Pesticide Mix A 50%
	51	Pesticide mix b 50%
	52	
	53	
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000583

F145124

GC LOG DATA SHEET

③ STL ENV. ctr 14761
③ NYS ctr 15053
④ NYS ctr 15085
⑤ Balsam ENV. ctr 14822
⑥ St. of VT ctr 14964

CASE/ETR NUMBER _____ RUN DATE 10/4/88

START RUN NUMBER _____ RUN TIME (APPROX) _____

NUMBER OF SAMPLES _____ GC ID HP # 764

NOTES _____ COLUMN ID _____

COLUMN DESCRIPTION _____

GC OPERATOR JWM

RUN NO.	SAMPLE No.	DESCRIPTION
	00	
	01	
	02	
	03	
	04	
	05	
	06	Evaluation mix b
	07	Evaluation mix c
	08	Evaluation mix a
	09	blank
	10	DDT 10%
	11	DDT 50%
	12	Pesticide mix b 50%
	13	Pesticide mix a 50%
	14	DDT 100%
	15	Toxaphene 400 ppb
	16	α+γ Chlordane 5 ppb
	17	Aroclor 1660 200/200 ppb
	18	Aroclor 1221 250 ppb
	19	Aroclor 1232 250 ppb
	20	Aroclor 1242 200 ppb
	21	Aroclor 1248 200 ppb
	22	Aroclor 1254 150 ppb
	23	blank
	24	B092088W6 1:1
	25	B092088S1 1:5
	26	188891 1:50
	27	188891 1:25
	28	188891 1:10
	29	blank
	30	evaluation mix b
	31	188886 1:1
	32	lm 188891 1:25
	33	lm 188891 1:10
	34	188891 1:5
	35	lm 188891 1:5
	36	blank
	37	Pesticide mix a 50%
	38	blank
	39	R090788W3P
	40	187788 1:200
	41	187788 1:100
	42	187788 1:50
	43	lm 188891 1:50
	44	blank
	45	evaluation mix b
	46	blank
	47	R092688W1P
	48	187788 1:20
	49	189360

RUN NO.	SAMPLE No.	DESCRIPTION
	50	89361
	51	89362
	52	blank
	53	Pesticide mix b 50%
	54	blank
	55	~~R092888W1P~~ Pesticide Mix a 50%
	56	~~89363~~
	57	89364
	58	lm 89360 1:5
	59	lmD 89360 1:5
	60	blank
	61	evaluation mix b
	62	89457
	63	89458
	64	89459
	65	lm 89360 1:1
	66	lmD 89360 1:1
	67	blank
	68	Pesticide mix a 50%
	69	blank
	70	B091988W2P
	71	R092888S2 1:5
	72	189008 1:5
	73	189460
	74	189461
	75	blank
	76	evaluation mix b
	77	blank
	78	B091288S2 1:5
	79	189462 1:1
	80	189007 1:1
	81	188618 1:5
	82	188619 1:5
	83	blank
	84	Pesticide mix b 50%
	85	188620 1:5
	86	189010 1:5
	87	189011 1:5
	88	blank
	89	evaluation mix b
	90	Pesticide mix a 50%
	91	Pesticide mix b 50%
	92	
	93	
	94	
	95	
	96	
	97	
	98	
	99	

End of Run

F145124

000564

MAXIMA 820^{tm} METHOD REPORT

Printed: 7-OCT-1988 07:56

PEST FSC RTX-35 MEGABORE ID #16

Sample Queue

Queue Parameters

File Path: C:\MAX\764
Starting Index: 1
Raw Sample Weight: 1.000
Volume of Extract: 1.000

Stripchart Parameters

Scaling: Use x- and y-axis limits
Peak Labels: Retention times
Regions: 0
Options: baselines, maxima
x-Axis limits: 0.0-8749
y-Axis limits: 0.02550-0.03800

Sample Queue Table

#	Name	Type	Source	File Name	Index	Inj.Volume	Amount	Dilution
1	IND A 50%	UNKN	DISK	AI100601		3.200E+00		1.000E+00
2	IND B 50%	UNKN	DISK	AI100602		3.200E+00		1.000E+00
3	EVAL A	UNKN	DISK	AI100603		3.200E+00		1.000E+00
4	EVAL B	UNKN	DISK	AI100604		3.200E+00		1.000E+00
5	EVAL C	UNKN	DISK	AI100605		3.200E+00		1.000E+00
6	EVAL A	UNKN	DISK	AI100606		3.200E+00		1.000E+00
7	EVAL B	UNKN	DISK	AI100607		3.200E+00		1.000E+00
8	EVAL C	UNKN	DISK	AI100608		3.200E+00		1.000E+00
9	IND A 50%	UNKN	DISK	AI100609		3.200E+00		1.000E+00
10	IND B 50%	UNKN	DISK	AI100610		3.200E+00		1.000E+00
11	TOXAPH 1.280ng	UNKN	DISK	AI100611		3.200E+00		1.000E+00
12	CHLOR 0.016 ng	UNKN	DISK	AI100612		3.200E+00		1.000E+00
13	AR 1660 0.640ng	UNKN	DISK	AI100613		3.200E+00		1.000E+00
14	AR 1221 0.800ng	UNKN	DISK	AI100614		3.200E+00		1.000E+00
15	AR 1232 0.800ng	UNKN	DISK	AI100615		3.200E+00		1.000E+00
16	AR 1242 0.640ng	UNKN	DISK	AI100616		3.200E+00		1.000E+00
17	AR 1248 0.640ng	UNKN	DISK	AI100617		3.200E+00		1.000E+00
18	AR 1254 0.480ng	UNKN	DISK	AI100618		3.200E+00		1.000E+00

19	BLANK	UNKN	DISK	AI100619	3.200E+00	1.000E+00
20	88691 1:100	UNKN	DISK	AI100620	3.200E+00	1.000E+00
21	M88891 1:100	UNKN	DISK	AI100621	3.200E+00	1.000E+00
22	BLANK	UNKN	DISK	AI100622	3.200E+00	1.000E+00
23	EVAL B	UNKN	DISK	AI100623	3.200E+00	1.000E+00
24	IND A 50%	UNKN	DISK	AI100624	3.200E+00	1.000E+00
25	IND B 50%	UNKN	DISK	AI100625	3.200E+00	1.000E+00
26	BLANK	UNKN	DISK	AI100626	3.200E+00	1.000E+00
27	B092688W1P 1:1	UNKN	DISK	AI100627	3.200E+00	1.000E+00
28	B092888W1 1:1	UNKN	DISK	AI100628	3.200E+00	1.000E+00
29	89360 1:1	UNKN	DISK	AI100629	3.200E+00	1.000E+00
30	89361 1:1	UNKN	DISK	AI100630	3.200E+00	1.000E+00
31	89362 1:1	UNKN	DISK	AI100631	3.200E+00	1.000E+00
32	BLANK	UNKN	DISK	AI100632	3.200E+00	1.000E+00
33	EVAL B	UNKN	DISK	AI100633	3.200E+00	1.000E+00
34	89457 1:1	UNKN	DISK	AI100634	3.200E+00	1.000E+00
35	89458 1:1	UNKN	DISK	AI100635	3.200E+00	1.000E+00
36	89459 1:1	UNKN	DISK	AI100636	3.200E+00	1.000E+00
37	M89360 1:1	UNKN	DISK	AI100637	3.200E+00	1.000E+00
38	MD89360 1:1	UNKN	DISK	AI100638	3.200E+00	1.000E+00
39	BLANK	UNKN	DISK	AI100639	3.200E+00	1.000E+00
40	IND A 50%	UNKN	DISK	AI100640	3.200E+00	1.000E+00
41	BLANK	UNKN	DISK	AI100641	3.200E+00	1.000E+00
42	B091988W2P 1:1	UNKN	DISK	AI100642	3.200E+00	1.000E+00
43	B092888S2 1:5	UNKN	DISK	AI100643	3.200E+00	5.000E+00
44	89008 1:5	UNKN	DISK	AI100644	3.200E+00	5.000E+00
45	M89360 1:5	UNKN	DISK	AI100645	3.200E+00	5.000E+00
46	MD89360 1:5	UNKN	DISK	AI100646	3.200E+00	5.000E+00
47	BLANK	UNKN	DISK	AI100647	3.200E+00	1.000E+00
48	EVAL B	UNKN	DISK	AI100648	3.200E+00	1.000E+00
49	BLANK	UNKN	DISK	AI100649	3.200E+00	1.000E+00
50	B091288S2 1:5	UNKN	DISK	AI100650	3.200E+00	5.000E+00
51	89460 1:1	UNKN	DISK	AI100651	3.200E+00	1.000E+00
52	89461 1:1	UNKN	DISK	AI100652	3.200E+00	1.000E+00
53	89462 1:1	UNKN	DISK	AI100653	3.200E+00	1.000E+00
54	89007 1:1	UNKN	DISK	AI100654	3.200E+00	1.000E+00
55	88618 1:5	UNKN	DISK	AI100655	3.200E+00	5.000E+00
56	BLANK	UNKN	DISK	AI100656	3.200E+00	1.000E+00
57	IND B 50%	UNKN	DISK	AI100657	3.200E+00	1.000E+00
58	88619 1:5	UNKN	DISK	AI100658	3.200E+00	5.000E+00

59	88620 1:5	UNKN	DISK	AI100659	3.200E+00	5.000E+00
60	89010 1:5	UNKN	DISK	AI100660	3.200E+00	5.000E+00
61	89011 1:5	UNKN	DISK	AI100661	3.200E+00	5.000E+00
62	89363 1:1	UNKN	DISK	AI100662	3.200E+00	1.000E+00

63	BLANK	UNKN	DISK	AI100663	3.200E+00	1.000E+00
64	EVAL B	UNKN	DISK	AI100664	3.200E+00	1.000E+00
65	89364 1:1	UNKN	DISK	AI100665	3.200E+00	1.000E+00

2/88 Non Halogenated Volatiles method 8015

1% SP-1000 packed column 40° for 1 min; 10°/min to 220 for 10 min

Flow 24.5 ml/min He

SV	1 ul	~380 ppm ethanol in methanol RT = 16.6 (?)	165
SV	1 ul	1960 ppm acrylamide in methanol RT = 18.2	166
SV	1 ul	8450 ppm diethyl ether in methanol RT = 11.7	167
SV	1 ul	3850 ppm methyl ethyl Ketone in methanol RT = 12.4	168
SV	1 ul	3920 ppm methyl isobutyl Ketone in methanol RT = 19.1	169
SV	1 ul	5340 ppm paraldehyde in methanol RT = 20.4	170
SV	1 ul	methanol blank	171
SV	1 ul	mixture of above at 1 to 10 dilution ~ 500 ppm each (get actual conc from values in above runs $\times 10^{-1}$	172
SV	1 ul	~380 ppm ethanol (suspect that last ethanol was paraldehyde in column) calculate w methanol	173
3/88		ethanol not included in methanol curve	
V	1 ul	methanol Blank	174
V	1 ul	of ~1 ppm mixed STD (not really good chromat)	175
V	1 ul	of ~1 ppm mixed STD	176
V	1 ul	of ~10 ppm mixed std	177
V	1 ul	of ~25 ppm mixed std	178
V	1 ul	of ~50 ppm mixed std	179
V	1 ul	of ~100 ppm mixed std	180
V	1 ul	of ~500 ppm mixed std	181
V	1 ul	Blank Meoh	182
V	1 ul	Method BLK	183
V	1 ul	88892	184
V	1 ul	88893	185
W	1 ul	88894	186
W	1 ul	88894 TC	187
W	1 ul	88894 MS	188
PW	1 ul	88894 MSD	189
W	1 ul	~100 ppm close	190
W	1 ul	~100 ppm closer	191
88			
V	1 ul	ethanol 5000 ppm a little in water To see if separates ethanol FID was off	192
V	1 ul	water Blank	193
V	1 ul	mixed aq std 1 ppm	194
V	1 ul	" " 10 ppm	195
	1 ul	" " 25 ppm	196

000568

METHOD 8015

SV	1ul 50 ppm aqueous std		197
S	1ul 100 ppm aqueous std		198
SV	1ul water blank		199
SV	#88855 1ul		200
SV	1ul 100 ppm closing std		201
88			
SV	1ul 100 ppm aqueous std		202
SV	1ul 100 ppm aqueous std		203
SV	1ul water blank		204
SV	#88842 1ul		205
SV	#88843 1ul		206
SV	#88894 1ul		207
SV	#88894-R 1ul		208
SV	#88894-MS 1ul	(50ppm spike)	209
SV	#88894-MSD 1ul	50 ppm spike)	210
SV	100 ppm closing std		211
SV	Blank water 1ul		212
S			
	alcohols in water isobutyl, methanol, n-butyl		
SV	~~#87789 1ul inj dSV~~	1ul water	213
SV	#87789 1ul inj		214
SV	std for methanol, IBA and N-BA 1ul	1 ppm each	215

METHOD 8015

12/88 Ethanol + acrylamide 5 point curves

	Ethanol Isothermal 90°				Run#
LSV	6060 ppm	ethanol in water			413
LSV	606 ppm	ethanol			414
LSV	303 ppm	ethanol			415
LSV	60.6 ppm	ethanol	RT = 1.49 min		416
LSV	6.06 ppm	ethanol			417
LSV	0.6 ppm	ethanol			418
LSV	Blank				419
LSV	# 88885	water			420
LV	# 88892	1.05g	extracted to 5ml	1ul inj	421
LV	# 88893	1.03g	extracted to 5ml	1ul inj	422
LSV	# 88894	1.01g	extracted to 5ml	1ul inj	423
LV	# 88894-R	1.16g	extracted to 5ml	1ul inj	424
LV	# 88894-MS	1.07g	extracted to 5ml	1ul inj	425
LV	# 88894-MSD	1.01g	extracted to 5ml	1ul inj	426
LV	Blank				427
LV	~~60.6 ppm closing std~~ LSV Blank				428
LV	60.6 ppm	closing std			429
	Isothermal 200 acrylamide				
LSV	1960 ppm	acrylamide			430
LV	196 ppm	acrylamide			431
LV	98 ppm	acrylamide			432
LV	19.6 ppm	acrylamide			433
LV	1.96 ppm	acrylamide			434
LV	Blank				435
L	# 88885	water			436
LV	# 88892	1.05g	extracted to 5ml	1ul inj	437
L	# 88893	1.03g	extracted to 5ml	1ul inj	438
LV	# 88894	1.01g	extracted to 5ml	1ul inj	439
LV	# 88894-R	1.16g	extracted to 5ml	1ul inj	440
L	# 88894-MS	1.07g	extracted to 5ml	1ul inj	441
L	# 88894-MSD	1.01g	extracted to 5ml	1ul inj	442
L	Blank				443
LV	19.6 ppm	acrylamide	closing std		444

000570

Col: DB-624

09/20/88

EPH	AA0920-01	0.1 ppb	5µl 0.1ppm 601/602+	+ 5µl 10 ppm Surr → 5mls
EPH	AA0920-02	1.0 ppb	5µl 1 ppm 601/602+	+ 5µl 10 ppm Surr → 5mls
EPH	AA0920-03	5 ppb	5µl 5 ppm " "	" " " " "
EPH	AA0920-04	20 ppb	5µl 20 ppm " "	" " " " "
EPH	AA0920-05	Blank	5ml H_2O	+ 5µl 10 ppm Surr
EPH	AA0920-06	method Blank	5ml "	+ 5µl 10 ppm Surr
EPH	AA0920-07	89092	5ml sample	+ 5µl 10 ppm Surr
EPH	AA0920-08	89092	1:10 0.5ml sample	+ 5µl 10 ppm Surr → 5mls
EPH	AA0920-09	89091	1:10 0.5ml sample	+ 5µl 10 ppm Surr → 5mls
EPH	AA0920-10	88987	1:100 50µl sample	+ 5µl 10 ppm Surr → 5ml
EPH	AA0920-11	Blank	5mls H_2O	+ 5µl 10 ppm Surr
EPH	AA0920-12	89093	1:1 5mls sample	+ 5µl 10 ppm Surr
JPW	13	BLANK	5ml H_2O	+ " " "
JPW	14	88695	1:1 5ml sample	+ " " "
JPW	15	88695	(1:100) 50µl "	+ " " " + 5ml H_2O
JPW	16	88696	5ml "	+ " " "
JPW	17	88885	5ml sample	+ " " "
JPW	18	88892	(0.31g) sample	+ " " " + 5ml H_2O
JPW	19	88892	(0.15g) sample	+ " " " + 5ml H_2O
JPW	20	1.0ppb close	5µl 1ppm Std	+ 5µl 10ppm Surrogate → 5ml H_2O

(Soil Purge Vessel) 5-15

20ppb 601/602+ = 09198802; 5ppb 601/602+ = 09208801
1ppb 601/602+ = 09208802; 0.1ppm = 09208803

88892 needs another dilution
Use A Methanol extraction instead of using such a small amt of sample.

Processed + Printed 9/20/88 - JPW
Curves Not included!

000571

194 MIA 092888

~~PH~~	~~AA092801 1ppb 5µl (1ppm EE/2 chloro ETV.n OET) + 5µl 10ppm 5mm —~~			5mls
PH	AA092802	0.1 ppb	5µl 0.1 ppm 601/602++ + 10 ppm 5mm (5µl) —	5mls
PH	AA092803	1 ppb	5µl 1 ppm 601/602++ + 10 ppm 5mm (5µl) —	5mls
PH	AA092804	5 ppb	5µl 5 ppm 601/602++ + 5µl 10 ppm 5mm —	5mls
PH	AA092805	20 ppb	5µl 20 ppm 601/602++ + 5µl 10 ppm 5mm —	5mls
PH	AA092806	Blank	5µl 10 ppm 5mm —	5mls
✓	AA092807	Methbk	" " " + 5ml H2O	
✓	AA092808	88893 (0.99g)	" " " + " H2O + 0.99g Stmp 2	
✓	AA092809	Blank	" " " + 5ml H2O	
✓	AA092810	88894 (1.00g)	5µl 10ppm Smr + 5ml H2O + 1.00g spl	
✓	AA092811	Blank	5µl 10ppm Smr → 5ml H2O	
✓	AA092812	Blank	" " " "	
✓	AA092813	5ppb Close	5µl 5ppm STD(601/602) + 5µl 10ppm Smr → 5ml H2O	
✓	AA092814	88892 (1.00g)	MeOH extract (1.0g ext dw/5ml MeOH) 5µl ext + 5µl 10ppm Smr → 5ml H2O	

20 ppm 601/602++ = 09288801
5 ppm 601/602++ = 09288802
1 ppm " " = 09288803
0.1 ppm " " = 09288804

1194 MA 092938

EPH	AA092901	0.1 ppb	5 µl 0.1 ppm 601/602⁺⁺ + 5 µl 10 ppm Sur →	5 mls
EPH	AA092902	1.0 ppb	5 µl 1 ppm 601/602⁺⁺ + 5 µl 10 ppm Sur →	5 mls
EPH	AA092903	5.0 ppb	5 µl 5 ppm 601/602⁺⁺ + 5 µl 10 ppm Sur →	5 mls
EPH	AA092904	20 ppb	5 µl 20 ppm 601/602⁺⁺ + 5 µl 10 ppm Sur →	5 mls
EPH	AA092905	BLANK	5 ml H_2O + 5 µl 10 ppm Sur →	5 mls
EPA	AA092906	Method Blank	5 mls H_2O + 5 µl 10 ppm Sur →	5 mls
EPA	AA092907	88392 soil ~~(MeOH)~~	50 µl of soil extract (MeOH) + 5 µl 10 ppm	5 mls
EPA	AA092908	88393 " "	~1.16g/10ml → 50ul (MeOH) + " "	5 mls
EPA	AA092909	88394 " "	~1.07g/10ml → 50ul " (MeOH) + " "	5 mls
EPH	AA092910	89344 (water) "	3.7 ml sample + 5 µl 10 ppm Sur →	3.7 mls
EPA	AA092911	89345 " "	3.8 ml sample + 5 µl 10 ppm Sur →	3.8 mls
EPH	AA092912	89346 " "	5 mls sample + 5 µl 10 ppm Sur →	5 mls
EPH	AA092913	89348 1:10	0.5 ml sample + 5 µl 10 ppm Sur →	5 mls
EPH	AA092914	88392 (soil)	1.01 gm + 5 mls H_2O + 5 µl 10 ppm Sur →	5 mls
EPH	AA092915	88392 (soil)	1.08 gm + 5 mls H_2O + 5 µl 10 ppm Sur →	5 mls
EPH	AA092916	88392 (")	0.12 gm + 5 mls H_2O + 5 µl 10 ppm Sur →	5 mls
EPH	AA092917	43 ppb	11.5 µl 20 ppm 601/602⁺⁺ + 5 µl 10 ppm Sur	5 mls
BC	AA092918	5 ppb Close	5 µl 10 ppm Sur + 5 µl 601/602 5 ppm → 5 ml	

20 ppm 601/602⁺⁺ = 09288301
5 ppm " " = 09298801
1 ppm " " = 09298802
0.1 ppm " " = 09298803

* Run had Abnormal Response on Hall & PID. Use as a reference for J. Delmonte.

VOCs

09/20/83

	AB0920-01	1 ppb	20 ml 1 ppm 601/602+ + 10 ml 10 ppm Surr → 20 mls
	AB0920-03	Blank	20 ml ~~sample~~ H2O + 10 ml 10 ppm Surr → 20 mls
	AB0920-04	Method Blank	20 mls ~~sample~~ H2O + 10 ml 10 ppm Surr → 20 mls
	AB0920-05	88885	20 ml sample + 10 ml 10 ppm Surr
	AB0920-06	88892	~~1.0~~ 1.12 gm soil + 5 mls H2O + 5 ml 10 ppm Surr
	~~AB0920-07~~	~~88893~~	~~1.0 gm soil + 5 mls H2O + 5 ml 10 ppm Surr~~
	AB0920-07	BLANK	
	AB092008	88893	1.18 g soil + 5 ml H2O + 5 ml 10 ppm Surr
	AB092009	88894	1.09 g Soil + 5 ml H2O + 5 ml 10 ppm Surr
	AB092010	1.0 ppb close in Soil Purgevessel	5 ml 1.0 ppm std + 5 ml 10 ppm Surr. → 5 ml

1 ppb 601/602+ = 09208302

9/23/88

0-1000 acrylamide - 8015 can't find
6750 Paraldehyde

Standard prep

Questions ① Alcohol forte? ② Find others.

ethylether in solvent

5000 ppm in methanol

5×10^3 ug/ml   5 mg/ml   50 mg/10 ml

~ .050 g into 10 ml in methanol.   to make 5000 ppm

Standards

092188-06
diethyl ether

24.9364 wt vial + std
24.8519 wt vial
.0845 g/10 ml = 84.5 mg/10 ml = 8.45 mg/ml = 8450 ug/ml
8450 ppm

092188-07
ethanol

25.2882 wt vial+std
25.2244 wt vial
.0638 g/10 ml
6380 ppm

092188-08
MEK

24.8385 wt vial + std
24.8000 wt vial
.0385 g/10 ml
3850 ppm

MIBK 092188-09

24.864 (964) wt vial + std
24.8572 wt vial
.0392/10 ml
3920 ppm

092188-10 paraldehyde

22.9683 wt vial + std
22.9149 wt vial
.0534 g/10 ml   5340 ppm

acrylamide 092188-11

25.1028 vial +
25.0832 vial
.0196 g/10 ml - 1960 ppm

000575

092188-04 0.1/0.5 ppm 601/602++

1.0 ml 1/5 ppm (092188-03) ⟶ 10 mls MeOH

092188-05 1 ppm EE/2ClETOinOET

100 µl 100 ppm 2-ClETVinOET (071888-01) } 10 mls MeOH
10 µl 1000 ppm EIOET (081788-07)

Nonhalogenated volatile organics ~5000ppM each
10 ml in methanol

092188-06 diethylether in methanol VSV
.0845g/10ml = 8.45 mg/ml = 8450 ug/ml or 8450 ppM

⟶ 95% ethanol/5% HF

092188-07 ethanol in methanol VSV
.0638g/10ml = 6380 ppM x 0.95 = 6061 ppM
CLP

092188-08 methyl ethyl Ketone VSV
.0385g/10ml = 3850 ppM

092188-09 methyl isobutyl Ketone VSV
.0392/10ml = 3920 ppM

092188-10 paraldehyde VSV
.0534g/10ml = 5340 ppM

092188-11 acrylamide VSV
.0196g/10ml = 1960 ppM

092388-01 2ml of VSV

092288

092288-01 5/25 ppm 601/602 ++

2.5 ml 20/100 (092188-01) → 10 mls MeOH

092288-02 1/5 ppm 601/602 ++

2.0 mls 5/25 ppm 601/602 ++ (092288-03) → 10 ml MeOH

092288-03 0.1/0.5 ppm 601/602 ++

1.0 mls 1/5 ppm (092288-02) → 10 mls MeOH

092288-04 stock standard of non halogenated volatile organics ~500ppm ASV everything

final conc.	
845 ppm	diethyl ether
606.1 ~~638~~ ppm	ethanol
385 ppm	MEK
392 ppm	MIK
534 ppm	paraldehyde
196 ppm	acrylonitrile
10 ml	Total volume

1 ml ~~8450ppm~~ 092288-06 diethyl ether ASV
+1 ml 092188-07
+1 ml 092188-08
+1 ml 092188-09
+1 ml 092188-10
+1 ml 092188-11
+4 ml methanol

092388-01 ~100ppm everything (exact conc = ~~above~~ conc in 092288-04 x .2 / (1 to 5 dilution) ASV
2 ml of 092288-04 to 10 ml

092388-02 ~50ppm everything (exact conc = conc in 092288-04 x .1) (1 to 10 dilution) ASV
1 ml of 092288-04 to 10 ml

092388-03 ~25 ppm everything (exact conc = conc in 092288-04 x .05) (1 to 20 dilution) ASV
0.5 ml of 092288-04 to 10 ml

092388-04 ~10 ppm everything (exact conc = conc in 092288-04 x .02) (1 to 50 dilution) ASV
1 ml of 092388-01 to 10 ml

092388-05 ~1 ppm everything (exact conc = conc in ASV

092288-04 x .002 (1 to 500 dilution)

1 ml of 092388-04 to 10 ml

092388

PH	09238801 20/100 602/602+/mixed Ketones		
conc (ppm)			ml used
0	Cumene (Isopropyl Benzene) 5000 ppm GCMS (764) 3-14-88		40 ml
10	Acetone, Meb, MIBK, THF 1000 ppm (081788-05)		1000
0	CCl_2F_2 11,500 ppm (08188801)		17.4
20	601/602 100 ppm (09198801)		2000
40	P/M-Xylene 2000 ppm (03318801)		100 µl
20	Freon TF 2000 ppm (04128801)		100
EPH	092388-02 5/25 ppm 601/602++		
	2.5 ml 20/100 (09238801) →		10 mls MeOH
EPH	09238803 1/5 ppm 601/602++		
	2.0 ml 5/25 (09238802) →		10 mls MeOH
EPH	09238804 0.1/0.5 ppm 601/602++		
	1.0 ml 0.1/0.5 (09238803) →		10 mls MeOH
EPH	09238805 1 ppm EE / 2CE ETVinOET		
	10 µl 1000 ppm Ethyl Ether (07188801)		10 mls MeOH
	100 µl 100 ppm 2-Chl ETVinOET (07188801)		

000578

SAMPLE HANDLING

aquatec
ENVIRONMENTAL SERVICES
75 Green Mountain Drive, So. Burlington, VT 05403
TEL 802/658-1074

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL NUMBER [redacted]3855[redacted]

DATE 9-8-88

0005793

AIRBILL NUMBER [redacted]3855[redacted]

1 From (Your Name) John M Gruenisch — **Your Phone Number (Very Important)** (914) 735 8300

Company LMS Engineers — **Department/Floor No.**

Street Address 53 Hudson Ave

City Nyack — **State** NY — **ZIP** ® Zip Code Required For Correct Invoicing 10960-1422 9

2 To (Recipient's Name) Janine L Banks — **Recipient's Phone Number (Very Important)** (802) 658-1014

Company Aquatec Inc — **Department/Floor No.**

Exact Street Address *(Use of P.O. Boxes or P.O. • Zip Codes Will Delay Delivery And Result In Extra Charge.)* 75 Green Mountain Drive

City South Burlington — **State** VT — **ZIP** Street Address Zip Required *(No P.O. Box • Zip Code)* 05403

3 YOUR BILLING REFERENCE INFORMATION (FIRST 24 CHARACTERS WILL APPEAR ON INVOICE.) 339-01

PAYMENT ☐ Bill Sender ☐ Bill Recipient's FedEx Acct. No. ☐ Bill 3rd Party FedEx Acct. No. ☐ Bill Credit Card ☐ Cash

H HOLD FOR PICK-UP AT THIS FEDERAL EXPRESS LOCATION: Street Address (See Service Guide or Call 800-238-5355)

City — State

ZIP • Zip Code of Street Address Required

Emp. No. — Date

☐ Cash Received ☐ Return Shipment ☐ Third Party ☐ Chg. To Del. ☐ Chg. To Hold

Street Address

City — State — Zip

Received By: Maureen L Henry

Date/Time Received 9-8-88 1015h — FedEx Employee Number

4 SERVICES — CHECK ONLY ONE BOX

1 ☒ **PRIORITY 1** Overnight Delivery Using Your Packaging — 6 ☐ **OVERNIGHT LETTER** (Our Packaging)

OVERNIGHT DELIVERY USING OUR PACKAGING

2 ☐ Courier-Pak Overnight Envelope 12"x 15½" — A ☐

3 ☐ Overnight Box 12½"x 17½"x 3" — A ☐

4 ☐ Overnight Tube 38"x 6"x 6"x 6" — B ☐

5 ☐ **STANDARD AIR** Delivery not later than second business day — A ☐

SERVICE COMMITMENT

PRIORITY 1 - Delivery is scheduled early next business morning in most locations. It may take two or more business days if the destination is outside our primary service areas.

STANDARD AIR - Delivery is generally next business day or not later than second business day. It may take three or more business days if the destination is outside our primary service areas.

DELIVERY AND SPECIAL HANDLING — CHECK SERVICES REQUIRED

1 ☐ **HOLD FOR PICK-UP** (Fill in Section H at right)

2 ☒ **DELIVER WEEKDAY**

3 ☐ **DELIVER SATURDAY** (Extra charge)

4 ☐ **RESTRICTED ARTICLES SERVICE** (P-1 and Standard Air Packages only. Extra charge)

5 ☐ **CONSTANT SURVEILLANCE SERVICE (CSS)** (Extra charge) (Do Not Complete Section 5)

6 ☐ **DRY ICE** ____ Lbs.

7 ☐ **OTHER SPECIAL SERVICE**

8 ☐

9 ☐ **SATURDAY PICK-UP** (Extra charge)

10 ☐

	PACKAGES	WEIGHT	YOUR DECLARED VALUE	OVER SIZE
	1 Cardboard	26 LBS	300	
		LBS		
		LBS		
Total	1	26	300	

Received At: 1 ☐ Regular Stop 2 ☐ On Call Stop 3 ☐ Drop Box 4 ☐ B.S.C. 5 ☐ Station

Federal Express Corp. Employee No. 04211

Date/Time For Federal Express Use 9-8 1810

5 Sender authorizes Federal Express to deliver this shipment without obtaining a delivery signature and shall indemnify and hold harmless Federal Express from any claims resulting therefrom.

Release Signature:

Federal Express Use

Base Charges

Declared Value Charge

Origin Agent Charge

Other

Total Charges

RECIPIENT'S COPY

PART #2041738900
FEC-S-750-25
REVISION DATE 7/86
PRINTED U.S.A. NCRE

LAWLER, MATUSKY & SKELLY ENGINEERS
CHAIN OF CUSTODY RECORD

PROJECT No. 337-016

PROJECT GE Buffalo Service Shop

LMS FACILITY Nyack

COLLECTION SITE see above

FIELD PERSONNEL JimG, Mike Iaviello

SAMPLE TYPE (Circle):

Drinking Water | Stream/Pond | Monitoring Wells | Bottom Sediment
Industrial Waste | River/Ocean | Treatment Facility | Soil
Coliform (T / F) | Leachate | Other

SAMPLE ID NUMBER	DATE	TIME	SAMPLE SITE	PARAMETERS	SAMPLE PREP PRESERVATIVE	SAMPLE PREP FILTER (Y/N)
7332	9-8-88	1120	RCRA CSA #1 2-4' V_1	VOCs: See Analytical Requirements Sheets	4°C	
7347	↓	↓	↓ V_2	↓	↓	↓
7342		1130	RCRA CSA #1 4-6' V_1			
7252		↓	↓ V_2			
7423		1148	RCRA CSA #1 6-8' V_1			
7344	↓	↓	↓ V_2	↓	↓	↓
4471	9-8-88	1355	Field Blank V_1	VOCs: See Analytical Requirements Sheets	Aquatec Supplied Field Blank H_2O	
4475	↓	↓	↓ V_2	↓	↓	
* 4476	↓	↓	Field Blank	PHCs	LMS supplied Field Blank (DI) water	
7258	9-8-88	1425	VOT #1 1-3'	PHCs: See Analytical Requirements Sheets	LMS supplied bottles	
7269		1436	VOT #1 3-5'	PHCs:		
7260		1455	VOT #1 5-7'	PHCs:		
7261	↓	1535	VOT #1 0-3"	PHCs: See Analytical Requirements Sheets	↓	
4474 4477 7263	9-8-88	1555	Field Blank	~~PCBs~~ and PCBs	analyze as one sample	
7262	9-8-88	1610	PCB CSA #1	PCBs		

LMS Supplied Bottles

LMS supplied bottle

Relinquished By:	Date/Time:	No. Bottles:	Received By:
Relinquished By: John M Guyenet	Date/Time: 9-8-88/1720		Received By:
Relinquished By:	Date/Time:		Received By:
Messenger:	Shipped To:	Received at Laboratory By: Maureen K. Henry 9-9-88 @ 1015h.	
Remarks: Sealed and shipped Fed-X			

000580

Sample Container Size:
a) VOCs: 40 ml Vials
b) PHC soil: 250 ml Amber bottle
c) PHC water 500 ml Amber bottle

One Blue Hill Plaza, Pearl River, New York 10965
(914) 735-8300
Sample Drop-Off: 53 Hudson Avenue, Nyack, New York 10960

* For 4476 PHC Field Blank sample, no H_2SO_4 was provide to preserve it

Sealed w/ Seal #'s: 001, 002, 003, 004, 005

aquatec INC. ENVIRONMENTAL SERVICES

75 GREEN MOUNTAIN DRIVE, SOUTH BURLINGTON, VERMONT 05403, TELEPHONE (802) 658-1074

CONTENTS

No Preservatives Have Been Added to These Bottles

15 40 ml glass vials, Lot No. W8200013

1 ~~16 oz.~~ 500ml amber glass jars, Lot No. 8077123. Provided the proper preservative is used, these bottles are recommended for use in the analysis of: Extractable Organics on soil, Metals in soil, Oil & Grease, COD, TOC, Phosphate, Nitrate-Nitrite, Total Nigrogen, Mercury on soil, Cyanide on soil, Phenols, Trihalomethanes on soil.

____ 4 liter glass jugs, Lot No._____. Provided the proper preservative is used, these bottles are recommended for use in the analysis of: Extractable Organics on water.

X 16 oz. polyethylene bottles, Lot No._____. Provide the proper preservative is used, these bottles are recommended for use in the analysis of: Metals, Cyanide, Sulfide, Ammonia, Fluoride, Mercury, Nigrogen, TOC, Total Nitrogen & COD.

4 250 ml amber glass bottles, Lot No. 8068323.

____ Sample tags, No.'s 003068 through 003087 inclusive.

Trip Blanks

3 40 ml vials; Lot No. W8200013
Sample tag numbers 003088 - 003090, inclusive
(do not open; trip blank to accompany samples at all times throughout the sampling process)

Chain-of-Custody Record for Sample Containers

Sample Containers Prepared and Sealed by: Janine L. Banks
Sample Custodian, Aquatec, Inc.
9/6/88 @ 1200hrs.
Date and Time

Sample Container Seal Broken By: John M Gurzenich
Signature
Hazmat Field Coordinator / LMS Engineers
Position and Affiliation
9-8-88 / 0830
Date and Time

Opened Cooler @ GE/Buffalo Service Shop before sampling JMG

000581

aquatec INC. ENVIRONMENTAL SERVICES

75 GREEN MOUNTAIN DRIVE, SOUTH BURLINGTON, VERMONT 05403, TELEPHONE (802) 658-1074

CONTENTS

No Preservatives Have Been Added to These Bottles

_____ 40 ml glass vials, Lot No._____

_____ 16 oz. glass jars, Lot No._____. Provided the proper preservative is used, these bottles are recommended for use in the analysis of: Extractable Organics on soil, Metals in soil, Oil & Grease, COD, TOC, Phosphate, Nitrate-Nitrite, Total Nigrogen, Mercury on soil, Cyanide on soil, Phenols, Trihalomethanes on soil.

_____ 4 liter glass jugs, Lot No._____. Provided the proper preservative is used, these bottles are recommended for use in the analysis of: Extractable Organics on water.

_____ 16 oz. polyethylene bottles, Lot No._____. Provide the proper preservative is used, these bottles are recommended for use in the analysis of: Metals, Cyanide, Sulfide, Ammonia, Fluoride, Mercury, Nigrogen, TOC, Total Nitrogen & COD.

1 ~~250~~ 950 ml amber glass bottles, Lot No. 8135243. Field BLANK
see 5385

_____ Sample tags, No.'s_____through_____inclusive.

Trip Blanks

_____ 40 ml vials; Lot No._____
Sample tag numbers_____, _____, inclusive
(do not open; trip blank to accompany samples at all times throughout the sampling process)

Chain-of-Custody Record for Sample Containers

Sample Containers Prepared and Sealed by: Janine L. Banks
Sample Custodian, Aquatec, Inc.

9/6/88 @ 1200hrs
Date and Time

Sample Container Seal Broken By: _____
Signature

_____
Position and Affiliation

_____
Date and Time

* see LMS CofC for individ sample inventory #'s
* See enclosed Analytical Requirements Sheets

000582

Project No. 88400 ETR No. 14944 Date 9-9-88 @ 1015hrs.

Sample Custodian Signature Maureen R. Henry

SDG No. —

CIRCLE THE APPROPRIATE RESPONSE

1. Custody Seal — present/~~absent~~ / ~~intact~~/~~not intact~~ — custody seals #'s: 001, 002, 003, 004, 005
2. Chain-of-Custody — present/~~absent~~
3. Sample Tags / Sample Numbers — ~~present~~/~~absent~~ / ~~listed~~/~~not listed on chain-of-custody~~ N/A
4. SMO Forms — present/~~absent~~ MRM 9.13.88
5. Fullness of V.O. Bottles — no air space/~~air space~~

Case No. —

Airbill No. 1673855606

QA Review Signature _____

Date _____

000583

Sample Received		Chain-of-Custody Record Number	Client Sample Numbers	Corresponding		No. Vials Rec'd	No. Vials w/Air	Agreement of Information on Custody Records, Traffic Reports, and Sample Tags/Labels	Remarks: Condition of Sample Shipment, etc.
Date	Time			Sample Tag Numbers	Assigned Lab Numbers				
9-9-88	1015hrs	NONE	4471, 4475, 4476	NONE	88885	2	0	Yes, all information was in agreement.	All samples received intact inside cooler w/ice. Cooler was intact as were custody seals on outside of cooler. 1. Chain of custody was present, but no sample tags were present
"	"	"	4474, 4477, 7263	"	88886	0	0		
"	"	"	7258	"	88887	0	0		
"	"	"	7259	"	88888	0	0		
"	"	"	7260	"	88889	0	0		
"	"	"	7261	"	88890	0	0		
"	"	"	7262	"	88891	0	0		
"	"	"	7332, 7347	"	88892	2	0		
"	"	"	7342, 7252	"	88893	2	0		
"	"	"	7423, 7344	"	88894	2	0		

SAMPLE CONT[illegible] RECORD

AQUATEC,

Results Transmitted: _____

Disposal Date: _____

ETR Number: 14944

Project No.: 88400

Case Number: _____

Document Control No.: _____

#88885-94 Lawler, Matusky & Skelly

000584

LABORATORY SAMPLE NUMBER	REMOVED BY	DATE AND TIME REMOVED	REASON	DATE AND TIME RETURNED
Samples # 88885-94 were placed in fridge on 9-9-88 1630 hrs by MEH				
88892	SWS	10/18/88 12:30	analysis	14:20
88893	SWS	10/18/88 14:20	"	~~JPW~~ 10/18 20:30 JPW
88894 JPW	JPW	10/18 20:30	"	00:45 10/19
88894	JPW	10/18 20:35	"	20:35 10/18
88892	JPW	10/18 22:00	"	00:45 10/19

In Reference to Case No(s):
14924 RB/14944

REGIONAL/LABORATORY COMMUNICATION SYSTEM

Telephone Record Log

Date of Call: September 9, 1988

Laboratory Name:- Aquatec Inc

Lab Contact: Richard Gomez

Region: Lawler, Matusky, and Skelly

Regional Contact: Craig Caldwell

Call Initiated By: X Laboratory ___ Region

In reference to data for the following sample number(s):
Aquatec Lab Nos. 88885-88894

Summary of Questions/Issues Discussed:
Phone call from Craig Caldwell with resolution on Method 8010, 8015, and 8020 analytes to be analyzed for.
Do method 8010 but analyze for Method 601 compounds. Do Purge & Trap.
Do Method 8015 - direct injection. Do 8015 Compounds.
Do Method 8020 - do 8020 compounds. Purge and Trap analysis.

Summary of Resolution:

Richard Gomez
Signature

9/9/88
Date

000585

In Reference to Case No(s): 14944

REGIONAL/LABORATORY COMMUNICATION SYSTEM

Telephone Record Log

Date of Call: September 12, 1988

Laboratory Name: Aquatec Inc.

Lab Contact: Richard Gomez

Region: Lawler, Matusky, Skelly Eng.

Regional Contact: Mr. Craig Caldwell

Call Initiated By: X Laboratory ___ Region

In reference to data for the following sample number(s):

Aquatec Lab No. 88885-88894

Summary of Questions/Issues Discussed:

1) I assume there is no external QC analysis to be performed on submitted field blanks - is this correct?
2) Is there special holding time requirements on the Volatiles as this is a NYSDEC 208 site (ie NYS involved)?
3) Is it correct that only PCB is required (not pesticide)? Use the matrix spike in the method, and not PCB matrix spike?

Summary of Resolution:

1) yes
2) 7 day holding time on VOA. LMS will pay premium price - for all this per Craig Caldwell.
3) Do PCBs only. Use normal matrix spike, not PCB matrix spike

Richard Gomez
Signature

9/13/88
Date

000586