16674

2 2 0001

IEA, Inc.
CASE: 2041_001(1)
SDG: 03100
COMPLETE DATA PACKAGE

FRACTION NARRATIVE - PETROLEUM HYDROCARBONS

Project: 2041-001(1) SDG: 03100

Method: SW846 8015 Modified

Two water samples were received for petroleum hydrocarbon analysis by GC method 8015 Modified for #2 fuel, varsol, and kerosene.

The analyses proceeded with no deviations from the method.

Katrina L. Travis 3/17/95

Katrina L. Travis 03/17/95
GC Dept. Supervisor
IEA, Inc.

. S. ENVIRONMENTAL PROTECTION AGENCY
EGION 4 TAT

IEA, Inc - Bill Scott
3000 Weston Pkwy
Cary, NC 27513
1-800-444-9919

CHAIN OF CUSTODY RECORD

ENVIRONMENTAL SERVICES DIVISION
COLLEGE STATION ROAD
ATHENS, GEORGIA 30613

PROJ. NO.

PROJECT NAME: Saad Site: Croft Spring Sampling

SAMPLERS (Signature): [redacted] Mayo

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	(Gal) G (fact org. Pest) / PCB	40 ml vial (VOA)	250 ml G (TOX)	P (Bod, TSS, Cl, Fl, Sol, etc)	1LG (Metals) (Cd,G)	1LP (met, hard) (Toc, COD, N, P, etc)	0.5-1LP (ST)	¼ gal or 1LP (CN)	8 oz G (fact org. pest, herb) (met) (SP)	4 oz G (VOA)	P or G (CN, S⁻, N, P, COD, etc)	8 oz G (fact org. pest, herb, VOA)	8 oz G (SP) (met, CN, S⁻, FP) (FP, BTU)	REMARKS/TAG NUMBERS
CS-01	3/6/95	0855		✓	Croft Spring	3		3												T3-24851, 24852, 24854
CS-02	3/6/95	0955		✓	Croft Spring	3		3												T3-24853, 24855, 24856
CS-03	3/6/95	1055		✓	Croft Spring	3		3												T3-24857, 24858, 24859
CS-04	3/6/95	1155		✓	Croft Spring	3		3												T3-24860, 24861, 24862
CS-05	3/6/95	1300		✓	Croft Spring	3		3												T3-24863, 24864, 24865
CS-06	3/6/95	1400		✓	Croft Spring	3		3												T3-24866, 24867, 24869
CS-06A	3/6/95	1400		✓	Croft Spring	3		3												T3-24873, 24874, 24875
CS-07	3/6/95	1345		✓	Croft Spring Field Blank	3		3												T3-24876, 24877, 24878
CS-08	3/6/95	1500		✓	Croft Spring	3		3												T3-24879, 24880, 24881
CS-09	3/6/95	1330		✓	Trip Blank	2		2												T4-04692, 04693
CS-10	3/2/95	0900	✓		Croft Spring	1	1													T3-24888
CS-10A	3/2/95	0900	✓		Croft Spring	1	1													T3-24889
CS-11	3/2/95	0900	✓		Croft Spring	1					1									T3-24887
CS-11A	3/2/95	0900	✓		Croft Spring	1					1									T3-24885

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Remarks
[redacted]	[redacted]	[redacted] 4/3/50259754				temp 4°C
[redacted]	3/4/95 10:00	[redacted]				IEA# 2041-001-1RA

DISTRIBUTION: Original and Pink copies accompany sample shipment to laboratory. Pink copy retained by laboratory. Yellow copy retained by sampler. Blue copy extra copy as needed.

T4-2909

U. S. ENVIRONMENTAL PROTECTION AGENCY
REGION 4 TAT IEA, Inc - Bill Scott
3000 Weston Pkwy
Cary, NC 27513
1-800-444-9919

CHAIN OF CUSTODY RECORD

ENVIRONMENTAL SERVICES DIVISION
COLLEGE STATION ROAD
ATHENS, GEORGIA 30613

PROJ. NO.:
PROJECT NAME: Sand Site - Croft Spring
SAMPLERS (Signature): [signature]

Circle/add Parameters Desired; ( ) - Indicates Separate Containers. Water/Wastewater | Soil/Sed/Slag | Waste | Misc

Handwritten parameter notes: PCB; Total Pet. HC (Diesel); Total Pet HC (Aero. HC)

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	(Gal) G (ext org, Pest) (EP) (Herb)	40 ml vial (VOA)	250 ml G (TOX)	P (Bod, TSS, Cl, Fl, Sol, etc)	ILG (O&G)	ILP (met, hard)	0.5-ILP	[illegible]	ILP (CN)	REMARKS/TAG NUMBERS
CS-12	3/2/95	1600		✓	Croft Spring	3		3								T3-24882, T3-24883, T3-24884
CS-13	3/2/95	1300	✓		Croft Spring	1								1		T3-24890
CS-14	3/3/95	0830	✓		Croft Spring	1								1		T3-24803
CS-15	3/3/95	0830	✓		Croft Spring	1	1									T3-24802
[illegible]	3/3/95	0830	✓		Croft Spring	1	1									T3-24801
CS-16	3/3/95	0830		✓	Croft Spring	3		3								T4-04648, T4-04649, T4-04650
CS-17	3/3/95	0830		✓	Croft Spring	3		3								T4-04651, T4-04652, T4-04653
CS-18	3/3/95	0830	✓		Croft Spring	1					1					T3-24893
CS-19	3/3/95	0830	✓		Croft Spring	1					1					T3-24892
CS-20	3/3/95	0930		✓	Croft Spring	3		3								T4-04663, T4-04664, T4-04665
CS-21	3/3/95	1030	✓		Croft Spring	1									1	T3-24804
CS-22	3/3/95	1030	✓		Croft Spring	1									1	T3-24805
CS-23	3/3/95	1030		✓	Croft Spring	3		3								T4-04666, T4-04667, T4-04668
CS-24	3/3/95	1130		✓	Croft Spring	3		3								T4-04669, T4-04670, T4-04671

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Remarks
[signature]	3/3 1800	FedEx # 4365025954				Temp 4°C
	3/4/95 10:00	Bill Scott				

DISTRIBUTION: Original and Pink copies accompany sample shipment to laboratory. Pink copy retained by laboratory. Yellow copy retained by samplers. Blue copy extra copy as needed.

T4-2897

U. S. ENVIRONMENTAL PROTECTION AGENCY
REGION 4 TAT

CHAIN OF CUSTODY RECORD

ENVIRONMENTAL SERVICES DIVISION
COLLEGE STATION ROAD
ATHENS, GEORGIA 30613

IEA, Inc. - Bill Scott
3000 Weston Pkwy
Cary, NC 27513
1-800-444-9919

PROJ. NO.

PROJECT NAME: Saad Site - Croft Spring

SAMPLERS (Signature): [illegible]

Water/Wastewater | Soil/Sediment | Waste | Misc

Circle/add Parameters Desired ( ) - Indicates Separate Containers

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	(Gal G (lab org. Pest) (EP) (herb)	40 ml vial (VOA)	250 ml G (TOX)	P (Bod, TSS, Cl, Fl, Sol, etc)	1L G (phenol) (OA&G) (gral)	1LP (mal. hardly/Tox, COD, N, P, etc)	0.5-1LP (EP)	1L Pol or 1LP (CN)	8 oz G (lab org, pest, herb) (mal) (EP)	4 oz G (VOA)	P or G (CN, S, N, P, COD, etc)	8 oz G (lab org, pest, herb, VOA)	8 oz G (EP) (lab, CN, S, FP) (FP, BTU)	REMARKS/TAG NUMBERS
CS-25	3/3/95	1230		✓	Croft Spring	3		3												T4-04672, T4-04673, T4-04674
CS-26	3/3/95	1330		✓	Croft Spring	3		3												T4-04675, T4-04676, T4-04677
CS-27	3/3/95	1430		✓	Croft Spring	3		3												T4-04678, T4-04679, T4-04680
CS-28	3/3/95	1530		✓	Croft Spring	3		3												T4-04681, T4-04682, T4-04683
CS-29	3/3/95	1600		✓	Field Blank	3		3												T4-04684, T4-04685, T3-24381

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Remarks
[illegible]	3/3/95	Fed Ex # 436502 5954				Temp 4°C
Relinquished by: (Signature)	Date/Time 3/4/95 10:00	Received by: (Signature) [illegible]	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	

DISTRIBUTION: Original and Pink copies accompany sample shipment to laboratory. Pink copy retained by laboratory. [illegible] copy returned to sampler. Subsequent data copy as needed.

T4-2[illegible]

IEA Corporation Internal Chain of Custody

Login By: B.S. Date Received: 03/06/95 Time Received:

Workorder #	Case #	Department	Location
95-03-100	2041_001_1RP		R18

Storage Return			Removed To/Reason					
Date	Time	By	Date	Time	Frac	Location	Code	By
			3/7/95	0900	[illegible]	S. Prep	Ex	MJ
3/7/95	1600	MJ	3-7-95	1545	038, 049 026, 028	S. prep	EX	RJB
3-7-95	2340	RJB						

Frac	Matrix	Sample ID
01A	WATER	CS-11
02A	WATER	CS-11A
02B	WATER	CS-11A MS
02C	WATER	CS-11A MSD
03A	WATER	CS-13
03B	WATER	CS-13
03C	WATER	CS-13 MS
03D	WATER	CS-13 MSD
04A	WATER	CS-14
04B	WATER	CS-14
05A	WATER	CS-18
06A	WATER	CS-19
07A	WATER	CS-21
07B	WATER	CS-21
07C	WATER	CS-21 MS
07D	WATER	CS-21 MSD
08A	WATER	CS-22
08B	WATER	CS-22

3/17/95

Applicable Codes:

AN=Analyze	LI=Login	DG=Digestion	AT=Autosampler
TR=Transfer	SC=Screen	EX=Extraction	
DI=Dispose	ST=Storage	DW=Dry Weight	

Verified by: B.S. Date: 3/17/95

IEA, Inc. GC-GC/MS Extract Chain-of-Custody

2 2 0067

F on: BNA/ Pesticide/ Other (Circle One) TPH

EPA ID: 9503100 - 03mS

Case No.: 2041 - 001 (1)

SAMPLE OUT				SAMPLE IN			
Date	Time	Code	Init.	Date	Time	Location	Init.
						3/7/95 RW.	
3-7-95 3/7/95 RW	2000	TR	RW.	3/7/95	2001	~~CT 3/7/95~~ R9 R7	CT
3/7/95	2002	AN	CT	3/7/95	2020	R9	CT

Codes:

EX = Extraction
FL = Florisil
ST = Storage
SC = Screening
DI = Disposal
CO = Concentration
GP = GPC Cleanup
TR = Transfer
AN = Analysis

Verified by: KJ Date: 3 / 17 / 95

Form: GEF00100.NC

EA, Inc. GC-GC/MS Extract Chain-of-Custody

Fraction: BNA/ Pesticide/ Other (Circle One) TPH

EPA ID: 9503100 - 03MSD

Case No.: 2041-001(1)

2 2 0868

SAMPLE OUT				SAMPLE IN			
Date	Time	Code	Init.	Date	Time	Location	Init.
						3/7/95 RN.	
3-7-95 3/7/95 RN.	2000	TR	RN.	3/7/95	2001	R9	CT
3/7/95	2002	AN	CT	3/7/95	2020	R9	CT

Codes:

EX = Extraction
FL = Florisil
ST = Storage
SC = Screening
DI = Disposal
CO = Concentration
GP = GPC Cleanup
TR = Transfer
AN = Analysis

Verified by: KS Date: 3/17/95

Form: GEF00100.NC

EA, Inc.

GC-GC/MS Extract Chain of

2 2 0869

EPA ID: 9503100 - 03

Fraction: BNA/ Pesticide/ Other (Circle One) TPH

Case No.: 2041-001(1)

SAMPLE OUT				SAMPLE IN			
Date	Time	Code	Init.	Date	Time	Location	Init.
						3/7/95 RW.	
				3/7/95	2001	R9	CT
3-7-95 3/7/95 RW	2000	TR	RW	3/7/95	2020	R9	CT
3/7/95	2002	AN	CT				

Codes:

EX = Extraction
FL = Florisil
ST = Storage
SC = Screening
DI = Disposal
CO = Concentration
GP = GPC Cleanup
TR = Transfer
AN = Analysis

Verified by: [signature] Date: 3/17/95

Form: GEF00100.NC

EA, Inc. GC-GC/MS Extract Chain-of-Custody

2 2 0870

Fraction: BNA/ Pesticide/ Other (Circle One) TPH

EPA ID: 9503100 - 04

Case No.: 2041 - 001 (1)

SAMPLE OUT				SAMPLE IN			
Date	Time	Code	Init.	Date	Time	Location	Init.
						3/7/95 RV.	
3-7-95 3/7/95	2000	TR	RV.	3/7/95	2001	R9	CT
3/7/95	2002	AN	CT	3/7/95	2020	R9	CT

Codes:

EX = Extraction
FL = Florisil
ST = Storage
SC = Screening
DI = Disposal
CO = Concentration
GP = GPC Cleanup
TR = Transfer
AN = Analysis

Verified by: KJ Date: 3 / 17 / 95

Form: GEF00100.NC

Organic Sample Preparation Log

Extraction of Water Samples by Separatory Funnel Extraction for Petroleum Hydrocarbons by GC

IEA Sample #	Volume Extracted (mls)	Surr. Volume (uls)	Matrix Spike Volume (uls)	Final Extract Volume (mls)	Extraction Comments	GC Comments
PHCB 772	1000	500	N/A	1.0	Method Blank	
LCS 772			500		QC Check	
9503100-03MS					Matrix Spike	
-03MSD					Matrix Spike Duplicate	
-03			N/A			
-04						
9503134-01						

3/7/95 RN

Batch #	772	Surrogate Lot #	PHC95-014	Ext. Start	3/7/95	RN.	GC Receipt		
Test Name	Petroleum Hydrocarbons by GC	Matrix Spike Lot #	PHC95-058	Ext. End	3/7/95	RN.	GC Completion		
Test Codes	PHE_03, PHE_05	Sodium Sulfate Lot #					GC Sec. Review		
Applicable SOP		MeCl-Solvent Lot #	B±7816	Prop. Sup. Review	3/8/95	[illegible]			
Witness	[illegible]								

2D
SW-846 PETROLEUM HYDROCARBONS SURROGATE RECOVERY

2 2 0872

Lab Name: INDUSTRIAL & ENVIRONMENTAL ANALYSTS

Lab Code: IEA Case No.: 2041-001(1) Method: 8015 Modified SDG No.: 03100

GC Column(1): RTX-5 ID: 0.53 (mm)

	CLIENT SAMPLE NO.	1,3D %REC #	TOT OUT
01	PHCB772	94	0
02	LCS772	93	0
03	CS-13	83	0
04	CS-13MS	87	0
05	CS-13MSD	83	0
06	CS-14	83	0
07			
08			
09			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
		QC LIMITS	
	1,3D = 1,3-Dichlorobenzene	(60-140)	

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

FORM II PH BY GC-1 Rev 1.0 6/93

3E
SW-846 WATER MS/MSD RECOVERY 2 2 0673

Lab Name: INDUSTRIAL & ENVIRONMENTAL ANALYSTS

Lab Code: IEA Case No.: 2041-001(1) Method: 8015 Modified SDG No.: 03100

Matrix Spike - Client Sample No.: CS-13

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC #	QC. LIMITS REC.
#2 Fuel Oil	2.0	0.52	1.9	69	60-140

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
#2 Fuel Oil	2.0	1.8	64	8	40	60-140

# Column to be used to flag recovery values with an asterisk
D = compound diluted out
* Values outside of QC limits
BQL = Below Quantitation Limit
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

3Z
LABORATORY CONTROL SPIKE RECOVERY

Lab Name: INDUSTRIAL & ENVIRONMENTAL ANALYSTS

ab Code: IEA Case No.: 2041-001(1) Method: 8015 Modified SDG No.: 03100

QC Check ID: LCS772 Matrix: (soil/water) WATER

Lab File ID: FID2030795_007.D

Date Analyzed: 03/07/95 Time Analyzed: 2140

COMPOUND	SPIKE ADDED (mg/L)	QC CONCENTRATION (mg/L)	QC % REC #	QC LIMITS
#2 Fuel Oil	2.0	1.6	80	75-125

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 1 outside limits

COMMENTS: _____

SW-846 PETROLEUM HYDROCARBONS METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PHCB772

ab Name: INDUSTRIAL & ENVIRONMENTAL ANALYSTS

Lab Code: IEA Case No.: 2041-001(1)ethod: 8015 Modified SDG No.: 03100

Lab File ID: FID2030795_006.D Lab Sample ID: PHCB772

Matrix:(soil/water) SOIL Date Extracted: 03/07/95

Date Analyzed (1): 03/07/95

Time Analyzed (1): 2059

GC Column (1):RTX-5 ID: 0.53(mm)

Instrument ID (1): FID2

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED
01	LCS772	LCS772	03/07/95	2140
02	CS-13	950310003	03/07/95	2344
03	CS-13MS	950310003MS	03/07/95	2221
04	CS-13MSD	950310003MSD	03/07/95	2303
05	CS-14	950310004	03/07/95	0025
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

FORM IV TPH Rev 1.0 6/93

1A 2 2 0876 CLIENT SAMPLE NO.

SW-846 PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

CS-13

Lab Name: INDUSTRIAL & ENVIRONMENTAL ANALYSTS

Lab Code: IEA Case No.: 2041-001(1) Method: 8015 Modified SDG No.: 03100

Matrix: (soil/water) WATER Lab Sample ID: 950310003

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FID2030795_010.D

% Moisture: _____ Date Received: 03/06/95

GC Column: RTX-5 Date Analyzed: 03/07/95

ID: 0.53 Dilution Factor: 1.0

Concentrated Extract Volume: 1000(uL) Date Extracted: 03/07/95

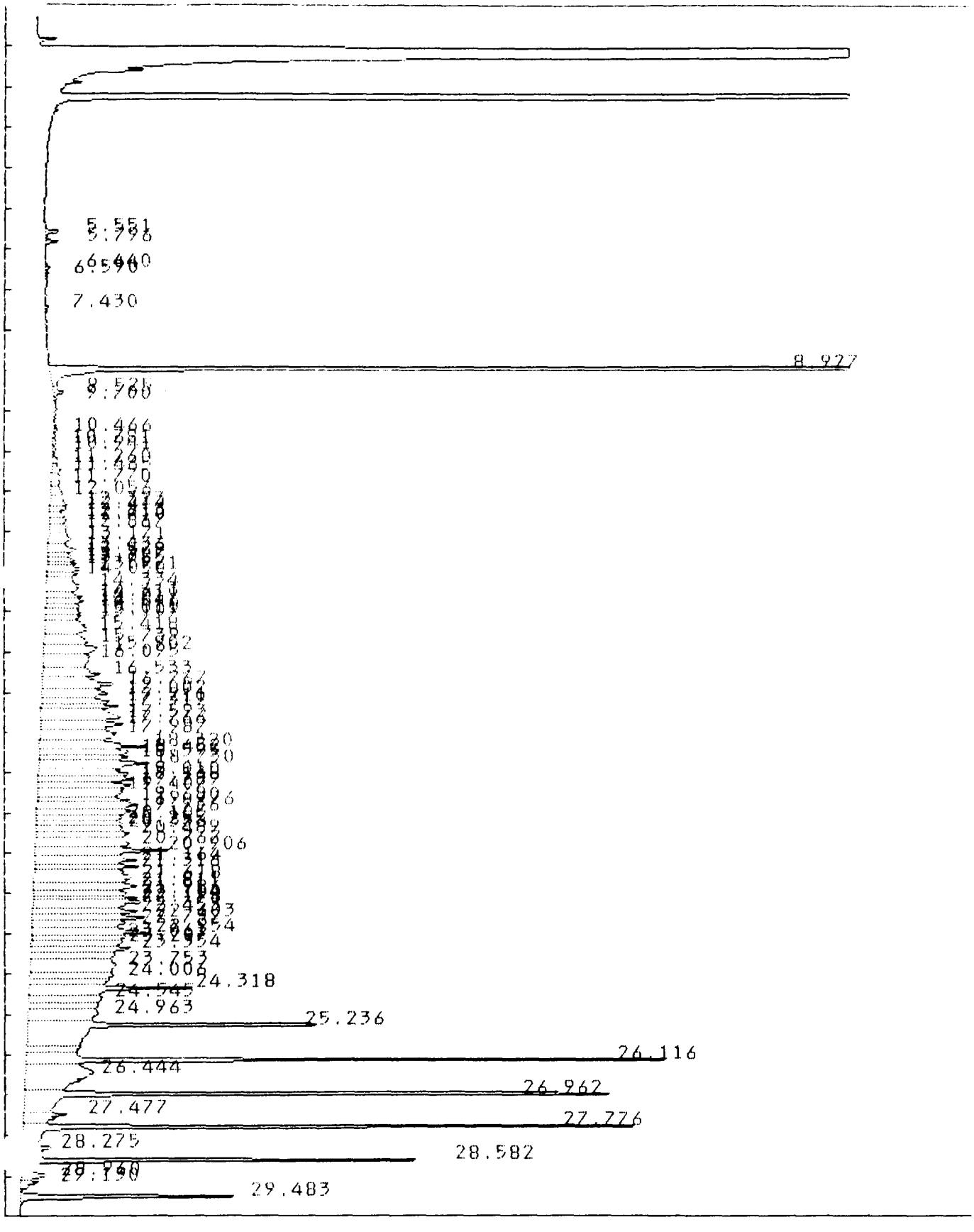
COMPOUND	MDL	CRQL	RESULTS MG/L	Q
----------Kerosene	0.12	0.50	0.50	U
----------#2-Fuel Oil	0.023	0.50	0.52	
----------Varsol	0.057	0.50	0.50	U

IEA Petroleum Hydrocarbons

2 2 0377

Sample Name : 950310003 Inj on 2344 07Mar1995

Result File : /RESULT/FID2030795_010.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons

2 2 0873

Sample Name : 950310003 Report No :109.00
Result File : /RESULT/FID2030795_010.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 2344 07Mar1995
Sequence File : /SEQUENCE/FID2030795.SEQ
Subseq/Sample : 1/ 10 Bottle no. : 10

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	5.55		5307	BV	0.00	
2	5.80		3886	VB	0.00	
3	6.44		1694	BV	0.00	
4	6.59		1021	VB	0.00	
5	7.43		1527	BV	0.00	
6	8.93	#8.92	554477	PV	.98	1,3-Dichlorobenzene
7	9.52		5915	VV	0.00	
8	9.70		1271	VB	0.00	
9	10.47		2161	PV	0.00	
0	10.78		1952	VV	0.00	
11	10.94		1655	VV	0.00	
12	11.26		3801	VV	0.00	
13	11.46		5737	VV	0.00	
14	11.77		9456	VV	0.00	
15	12.06		9547	VV	0.00	
16	12.32		13238	VV	0.00	
17	12.41		7281	VV	0.00	
18	12.61		7381	VV	0.00	
19	12.71		10424	VV	0.00	
20	12.87		13380	VV	0.00	
21	13.17		20570	VV	0.00	
22	13.44		19787	VV	0.00	
23	13.58		7966	VV	0.00	
24	13.70		9967	VV	0.00	
25	13.79		10189	VV	0.00	
26	13.92		18033	VV	0.00	
27	14.05		13157	VV	0.00	
28	14.33		42457	VV	0.00	
29	14.61		19135	VV	0.00	
30	14.72		17678	VV	0.00	
31	14.85		16013	VV	0.00	
32	15.01		17486	VV	0.00	
33	15.11		17547	VV	0.00	
34	15.42		51296	VV	0.00	
35	15.74		37782	VV	0.00	
6	15.90		45036	VV	0.00	

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	16.10		54812	VV	0.00	
38	16.53		46383	VV	0.00	
39	16.77		63612	VV	0.00	
40	17.00		49932	VV	0.00	
41	17.21		35344	VV	0.00	
42	17.32		29371	VV	0.00	
43	17.59		79862	VV	0.00	
44	17.77		60633	VV	0.00	
45	17.99		73062	VV	0.00	
46	18.32		73136	VV	0.00	
47	18.45		49668	VV	0.00	
48	18.59		30533	VV	0.00	
49	18.73		79190	VV	0.00	
50	19.01		66413	VV	0.00	
51	19.14		44215	VV	0.00	
52	19.29		50733	VV	0.00	
53	19.41		66542	VV	0.00	
54	19.68		43654	VV	0.00	
55	19.78		63422	VV	0.00	
56	19.94		55208	VV	0.00	
57	20.11		40896	VV	0.00	
58	20.25		39444	VV	0.00	
59	20.36		42070	VV	0.00	
60	20.49		57150	VV	0.00	
61	20.77		83608	VV	0.00	
62	20.91		76053	VV	0.00	
63	21.16		75420	VV	0.00	
64	21.32		47819	VV	0.00	
65	21.62		116998	VV	0.00	
66	21.81		69039	VV	0.00	
67	21.99		51749	VV	0.00	
68	22.11		31622	VV	0.00	
69	22.20		78492	VV	0.00	
70	22.45		58502	VV	0.00	
71	22.60		57317	VV	0.00	
72	22.73		62327	VV	0.00	
73	22.95		61554	VV	0.00	
74	23.06		50626	VV	0.00	
75	23.21		41171	VV	0.00	
76	23.35		62566	VV	0.00	
77	23.75		116069	VV	0.00	
78	24.01		37247	VV	0.00	
79	24.32		85679	VV	0.00	
80	24.54		59322	VV	0.00	
81	24.96		78884	VV	0.00	
82	25.24		205965	VV	0.00	
83	26.12		196770	VV	0.00	
84	26.44		132306	VV	0.00	
85	26.96		229752	VV	0.00	
86	27.48		32537	VV	0.00	
87	27.78		182928	VV	0.00	
88	28.27		20813	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0800

Pk#	RT	ID-tm	Area	Code	PPB	Name
89	28.58		107446	VV	0.00	
0	28.96		17104	VV	0.00	
91	29.13		9701	VV	0.00	
92	29.48		64089	VV	0.00	

Total Area : 472190 Total PPB : .985

Report Time : 0015 08Mar1995
Method : /METHOD/FID2080794.MTH
Result File : /RESULT/FID2030795_010.RES

1A 2 2 0881

CLIENT SAMPLE NO.

SW-846 PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

CS-14

Lab Name: INDUSTRIAL & ENVIRONMENTAL ANALYSTS

Lab Code: IEA Case No.: 2041-001(1) Method: 8015 Modified SDG No.: 03100

Matrix: (soil/water) WATER Lab Sample ID: 950310004

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FID2030795_011.D

% Moisture: _____ Date Received: 03/06/95

GC Column: RTX-5 Date Analyzed: 03/08/95

ID: 0.53 Dilution Factor: 1.0

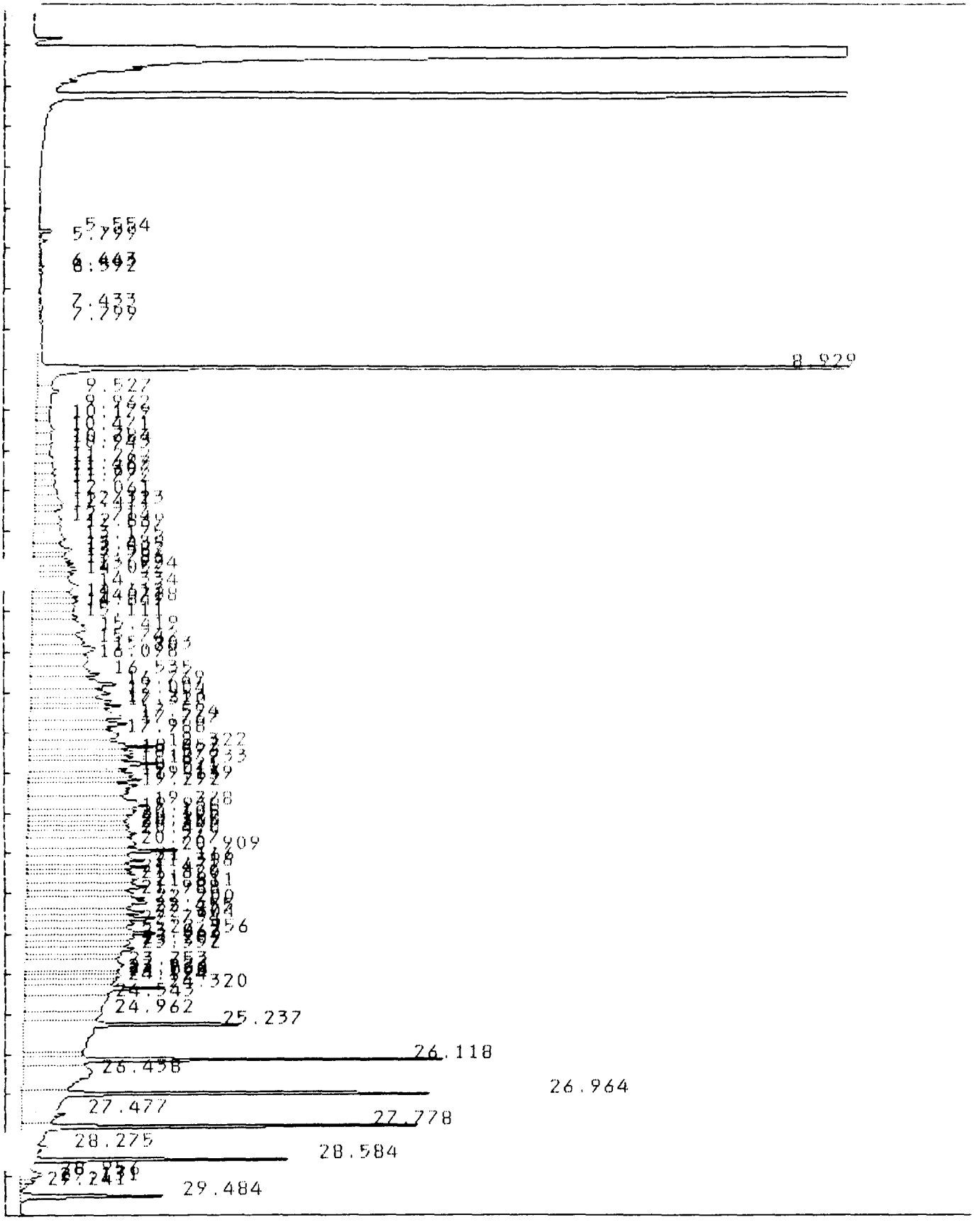
Concentrated Extract Volume: 1000(uL) Date Extracted: 03/07/95

COMPOUND	MDL	CRQL	RESULTS MG/L	Q
----------Kerosene	0.12	0.50	0.50	U
----------#2-Fuel Oil	0.023	0.50	0.60	
----------Varsol	0.057	0.50	0.50	U

IEA Petroleum Hydrocarbons

2 2 0882

Sample Name : 950310004 Inj on 0025 08Mar1995
Result File : /RESULT/FID2030795_011.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons 2 2 0803

Sample Name : 950310004 Report No :110.00
Result File : /RESULT/FID2030795_011.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 0025 08Mar1995
Sequence File : /SEQUENCE/FID2030795.SEQ
Subseq/Sample : 1/ 11 Bottle no. : 11

% Dil-Fact
100.00

Run Status : RunStatusUK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	5.55		4276	PV	0.00	
2	5.80		2005	VV	0.00	
3	6.44		2684	VV	0.00	
4	6.59		1214	VV	0.00	
5	7.43		3333	BV	0.00	
6	7.80		1959	VV	0.00	
7	8.93	#8.92	355222	VV	.99	1,3-Dichlorobenzene
8	9.53		31451	VV	0.00	
9	9.96		7025	VV	0.00	
10	10.18		10146	VV	0.00	
11	10.47		17769	VV	0.00	
12	10.78		17378	VV	0.00	
13	10.94		12783	VV	0.00	
14	11.26		14788	VV	0.00	
15	11.47		15913	VV	0.00	
16	11.61		10832	VV	0.00	
17	11.77		12360	VV	0.00	
18	12.06		19975	VV	0.00	
19	12.32		24727	VV	0.00	
20	12.41		13802	VV	0.00	
21	12.71		28726	VV	0.00	
22	12.87		21926	VV	0.00	
23	13.18		30415	VV	0.00	
24	13.44		28366	VV	0.00	
25	13.58		11697	VV	0.00	
26	13.79		28052	VV	0.00	
27	13.92		24827	VV	0.00	
28	14.05		17497	VV	0.00	
29	14.33		56967	VV	0.00	
30	14.61		24607	VV	0.00	
31	14.72		21874	VV	0.00	
32	14.85		30030	VV	0.00	
33	15.11		33432	VV	0.00	
34	15.42		68213	VV	0.00	
35	15.74		49259	VV	0.00	
36	15.90		53734	VV	0.00	

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	16.10		60936	VV	0.00	
38	16.53		64416	VV	0.00	
39	16.77		77913	VV	0.00	
40	17.00		59498	VV	0.00	
41	17.21		43876	VV	0.00	
42	17.32		34750	VV	0.00	
43	17.59		94736	VV	0.00	
44	17.77		71874	VV	0.00	
45	17.99		89724	VV	0.00	
46	18.32		84337	VV	0.00	
47	18.45		59203	VV	0.00	
48	18.60		35654	VV	0.00	
49	18.73		93873	VV	0.00	
50	18.92		26026	VV	0.00	
51	19.01		51645	VV	0.00	
52	19.14		51815	VV	0.00	
53	19.29		124049	VV	0.00	
54	19.78		140453	VV	0.00	
55	19.94		65468	VV	0.00	
56	20.10		51697	VV	0.00	
57	20.26		43429	VV	0.00	
58	20.36		45751	VV	0.00	
59	20.49		69663	VV	0.00	
60	20.77		100200	VV	0.00	
61	20.91		84800	VV	0.00	
62	21.17		87723	VV	0.00	
63	21.32		56062	VV	0.00	
64	21.47		43432	VV	0.00	
65	21.62		92015	VV	0.00	
66	21.81		78922	VV	0.00	
67	21.99		57499	VV	0.00	
68	22.20		127097	VV	0.00	
69	22.46		65522	VV	0.00	
70	22.60		67237	VV	0.00	
71	22.73		71019	VV	0.00	
72	22.96		70822	VV	0.00	
73	23.06		59487	VV	0.00	
74	23.21		49632	VV	0.00	
75	23.35		70838	VV	0.00	
76	23.75		109425	VV	0.00	
77	23.93		23332	VV	0.00	
78	24.01		42203	VV	0.00	
79	24.12		59905	VV	0.00	
80	24.32		93833	VV	0.00	
81	24.54		122770	VV	0.00	
82	24.96		69934	VV	0.00	
83	25.24		239933	VV	0.00	
84	26.12		130355	VV	0.00	
85	26.44		142105	VV	0.00	
86	26.96		185124	VV	0.00	
87	27.48		36943	VV	0.00	
88	27.78		139972	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0885

Pk#	RT	ID-tm	Area	Code	PPB	Name
89	28.28		20757	VV	0.00	
0	28.58		76096	VV	0.00	
91	28.96		17624	VV	0.00	
92	29.13		5606	VV	0.00	
93	29.24		3221	VV	0.00	
94	29.48		43851	VV	0.00	

Total Area : 5395346 Total PPB : .987

Report Time : 0057 08Mar1995
Method : /METHOD/FID2080794.MTH
Result File : /RESULT/FID2030795_011.RES

6B
SW-846 TPH INITIAL CALIBRATION

Lab Name: INDUSTRIAL & ENVIRONMENTAL ANALYSTS

Lab Code: IEA Case No.: 2041-001(1) Method: 8015 Modified SDG No.: 03100

Instrument ID: FID2 Calibration Date(s): 08/07/94 08/08/94

Level1=400 ug/ml Level3=2000 ug/ml Level5=5000 ug/ml
Level2=1000 ug/ml Level4=4000 ug/ml

COMPOUND	RRF 400	RRF 1000	RRF 2000	RRF 4000	RRF 5000	AVG RF
Kerosene	8755	8680	9755	8516	9124	8966
#2 Fuel Oil	8135	8421	8135	7726	9261	8384
Varsol	9459	7629	8319	7582	9320	8462

7B

SW-846 PETROLEUM HYDROCARBON DAILY CALIBRATION 2 2 0887

ab Name: INDUSTRIAL & ENVIRONMENTAL ANALYSTS

Lab Code: IEA Case No.: 2041-001(1) Methods: 8015 Modified SDG No.: 03100

GC Column:RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 08/07/94 08/08/94

Lab File ID: FID2030795_001.D

Client Sample No.: #2 Fuel Oil Date Analyzed : 03/07/95

Lab Sample ID : #2 Fuel Oil Time Analyzed : 1647

CALIBRATION COMPOUND	CALC AMOUNT (mg)	NOM AMOUNT (mg)	%D
#2 Fuel Oil	1800	2000	10.0

%D of amounts in daily calibration must be less than or equal to 20.0%

FORM VII TPH-1 Rev 1.0 6/93

7B
SW-846 PETROLEUM HYDROCARBON DAILY CALIBRATION

Lab Name: INDUSTRIAL & ENVIRONMENTAL ANALYSTS

Lab Code: IEA Case No.: 2041-001(1) Methods: 8015 Modified SDG No.: 03100

GC Column:RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 08/07/94

Lab File ID: FID2030795_002.D

Client Sample No.: Varsol Date Analyzed : 03/07/95

Lab Sample ID : Varsol Time Analyzed : 1728

CALIBRATION COMPOUND	CALC AMOUNT (mg)	NOM AMOUNT (mg)	%D
Varsol	1800	2000	10.0

%D of amounts in daily calibration must be less than or equal to 20.0%

FORM VII TPH-1 Rev 1.0 6/93

7B

SW-846 PETROLEUM HYDROCARBON DAILY CALIBRATION

2 2 0889

ab Name: INDUSTRIAL & ENVIRONMENTAL ANALYSTS

Lab Code: IEA Case No.: 2041-001(1) Methods: 8015 Modified SDG No.: 03100

GC Column:RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 08/07/94

Lab File ID: FID2030795_003.D

Client Sample No.: Kerosene Date Analyzed : 03/07/95

Lab Sample ID : Kerosene Time Analyzed : 1809

CALIBRATION COMPOUND	CALC AMOUNT (mg)	NOM AMOUNT (mg)	%D
Kerosene	1700	2000	15.0

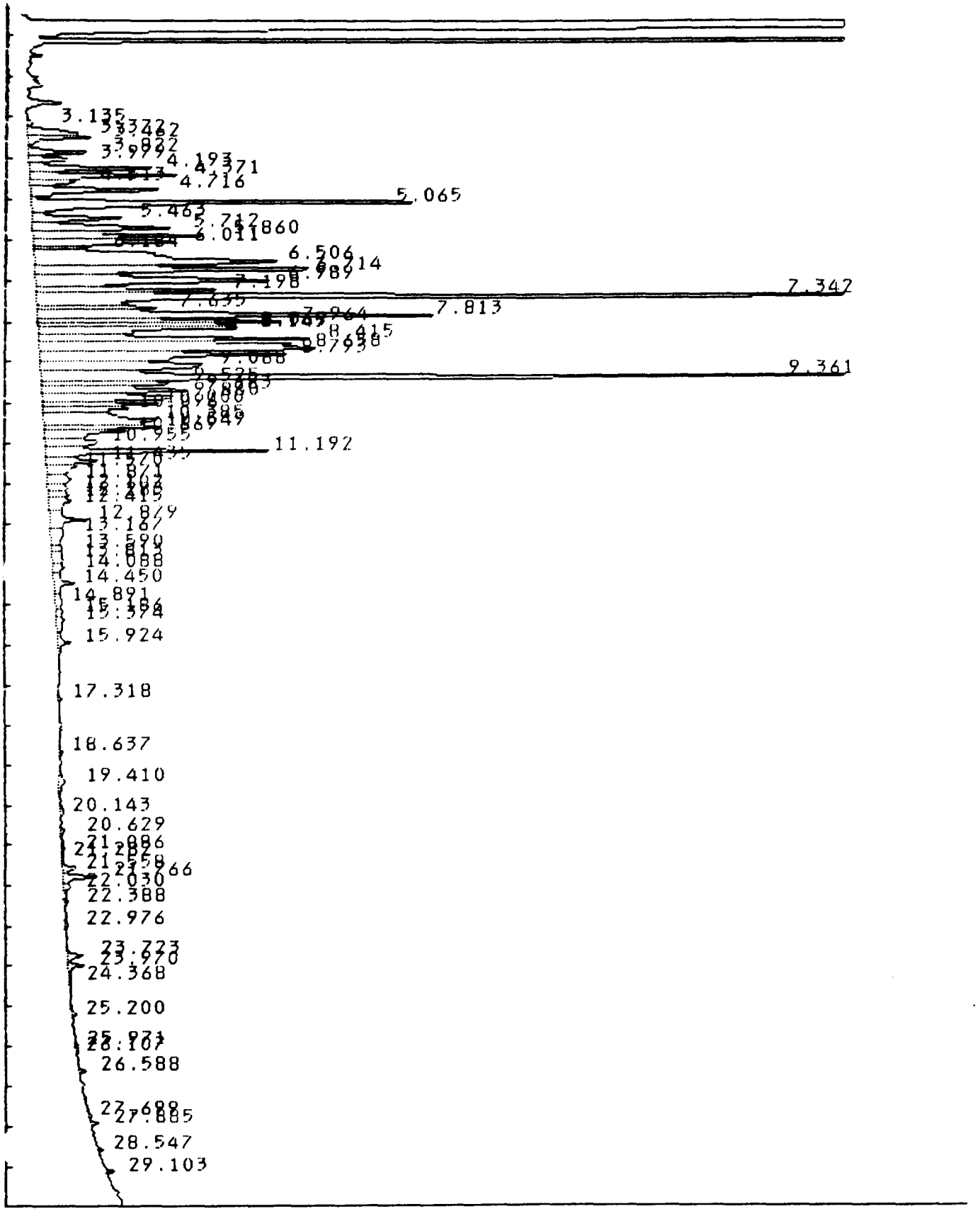
%D of amounts in daily calibration must be less than or equal to 20.0%

FORM VII TPH-1 Rev 1.0 6/93

IEA Petroleum Hydrocarbons

2 2 0890

Sample Name : varsol 400ug/ml Inj on 1325 07Aug1994
Result File : /RESULT/FID2080794_001.RES INSTRUMENT : FID2



ltA Petroleum Hydrocarbons

Sample Name : varsol 400ug/ml Report No :558.00
Result File : /RESULT/FID2080794_001.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 1325 07Aug1994
Sequence File : /SEQUENCE/FID2080794.SEQ
Subseq/Sample : 1/ 1 Bottle no. : 1

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.13		1807	BV	0.00	
2	3.37		24836	VV	0.00	
3	3.46		23570	VV	0.00	
4	3.82		22373	PV	0.00	
5	3.98		15150	VV	0.00	
6	4.19		44836	VV	0.00	
7	4.37		56229	VV	0.00	
8	4.51		19444	VV	0.00	
9	4.72		59546	VV	0.00	
10	5.07		168123	VV	0.00	
11	5.46		37510	VV	0.00	
12	5.71		69142	VV	0.00	
13	5.86		59038	VV	0.00	
14	6.01		70952	VV	0.00	
15	6.18		13911	VV	0.00	
16	6.51		218713	VV	0.00	
17	6.71		121536	VV	0.00	
18	6.99		147650	VV	0.00	
19	7.20		63567	VV	0.00	
20	7.34		368845	VV	0.00	
21	7.64		41560	VV	0.00	
22	7.81		164569	VV	0.00	
23	7.96		92086	VV	0.00	
24	8.07		58664	VV	0.00	
25	8.14	#8.12	97619	VV	.27	1,3-Dichlorobenzene
26	8.42		100131	VV	0.00	
27	8.66		207147	VV	0.00	
28	8.79		140644	VV	0.00	
29	9.07		114150	VV	0.00	
30	9.36		314469	VV	0.00	
31	9.52		50401	VV	0.00	
32	9.68		71137	VV	0.00	
33	9.86		61184	VV	0.00	
34	10.00		36256	VV	0.00	
35	10.10		45984	VV	0.00	
36	10.39		87253	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0892

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	10.55		40208	VV	0.00	
38	10.67		48908	VV	0.00	
39	10.95		33683	VV	0.00	
40	11.19		79415	VV	0.00	
41	11.44		21965	VV	0.00	
42	11.57		20378	VV	0.00	
43	11.87		17214	VV	0.00	
44	12.10		11346	VV	0.00	
45	12.28		11318	VV	0.00	
46	12.41		19113	VV	0.00	
47	12.88		26932	VV	0.00	
48	13.17		16446	VV	0.00	
49	13.59		4922	VV	0.00	
50	13.81		10642	VV	0.00	
51	14.09		7941	VV	0.00	
52	14.45		15874	VV	0.00	
53	14.89		8459	VV	0.00	
54	15.19		3899	VV	0.00	
55	15.37		8560	VV	0.00	
56	15.92		8218	VV	0.00	
57	17.32		1254	BB	0.00	
58	18.64		1834	BV	0.00	
59	19.41		5935	VV	0.00	
60	20.14		3463	VV	0.00	
61	20.63		2021	PV	0.00	
62	21.09		2459	VV	0.00	
63	21.28		1492	VV	0.00	
64	21.56		5674	VV	0.00	
65	21.77		14502	VV	0.00	
66	22.03		3488	VV	0.00	
67	22.39		2114	VV	0.00	
68	22.98		1499	VV	0.00	
69	23.72		7271	VV	0.00	
70	23.97		6082	VV	0.00	
71	24.37		1940	VV	0.00	
72	25.20		2420	VV	0.00	
73	25.97		1027	PV	0.00	
74	26.11		1367	VV	0.00	
75	26.59		2083	PV	0.00	
76	27.70		2706	PV	0.00	
77	27.88		2899	VV	0.00	
78	28.55		2075	PV	0.00	
79	29.10		2362	PV	0.00	

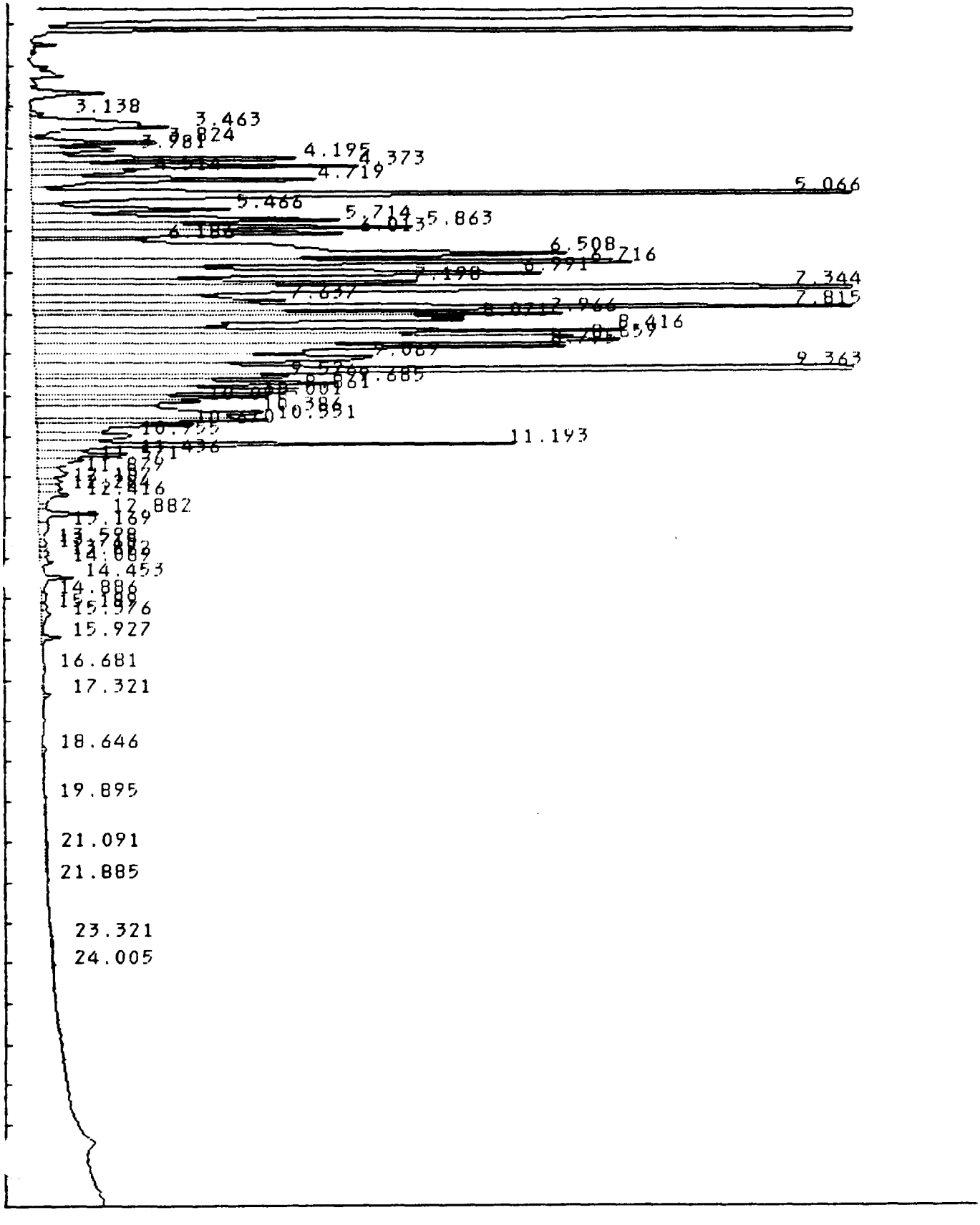
Total Area : 3783441 Total PPB : .274

Report Time : 1356 07Aug1994
Method : /METHOD/FID2061194.MTH
Result File : /RESULT/FID2080794_001.RES

IEA Petroleum Hydrocarbons

2 2 0893

Sample Name : varsol 1000ug/ml Inj on 1411 07Aug1994
Result File : /RESULT/FID2080794_002.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons 2 2 0894

Sample Name : varsol 1000ug/ml Report No :559.00
Result File : /RESULT/FID2080794_002.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 1411 07Aug1994
Sequence File : /SEQUENCE/FID2080794.SEQ
Subseq/Sample : 1/ 2 Bottle no. : 2

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.14		4021	BV	0.00	
2	3.46		107266	VV	0.00	
3	3.82		49538	VV	0.00	
4	3.98		34251	VV	0.00	
5	4.20		99049	VV	0.00	
6	4.37		124483	VV	0.00	
7	4.51		45401	VV	0.00	
8	4.72		135879	VV	0.00	
9	5.07		378388	VV	0.00	
10	5.47		84682	VV	0.00	
11	5.71		152895	VV	0.00	
12	5.86		128451	VV	0.00	
13	6.01		155909	VV	0.00	
14	6.19		29594	VV	0.00	
15	6.51		480877	VV	0.00	
16	6.72		252699	VV	0.00	
17	6.99		313057	VV	0.00	
18	7.20		139712	VV	0.00	
19	7.34		748102	VV	0.00	
20	7.64		130509	VV	0.00	
21	7.81		356080	VV	0.00	
22	7.97		192843	VV	0.00	
23	8.07	#8.12	330537	VV	.92	1,3-Dichlorobenzene
24	8.42		208291	VV	0.00	
25	8.66		440651	VV	0.00	
26	8.79		291435	VV	0.00	
27	9.07		232813	VV	0.00	
28	9.36		675147	VV	0.00	
29	9.53		98977	VV	0.00	
30	9.68		141155	VV	0.00	
31	9.86		119910	VV	0.00	
32	10.00		69299	VV	0.00	
33	10.10		87739	VV	0.00	
34	10.39		168187	VV	0.00	
35	10.55		79074	VV	0.00	
36	10.67		85844	VV	0.00	

IEA Petroleum Hydrocarbons

Pk#	RT	ID-tm	Area	Code	PPB	Name
7	10.96		59620	VV	0.00	
8	11.19		154706	VV	0.00	
39	11.44		37384	VV	0.00	
40	11.57		29104	VV	0.00	
41	11.88		20574	VV	0.00	
42	12.11		12547	VV	0.00	
43	12.28		13036	VV	0.00	
44	12.42		18982	VV	0.00	
45	12.88		24444	VV	0.00	
46	13.17		10519	VV	0.00	
47	13.60		3820	VV	0.00	
48	13.71		2779	VV	0.00	
49	13.89		5285	VV	0.00	
50	14.09		6828	VV	0.00	
51	14.45		18420	VV	0.00	
52	14.89		4696	VV	0.00	
53	15.19		3508	VV	0.00	
54	15.38		6697	VV	0.00	
55	15.93		6931	VV	0.00	
56	16.68		1458	BV	0.00	
57	17.32		3193	PB	0.00	
58	18.65		1623	BV	0.00	
59	19.90		1298	BV	0.00	
60	21.09		3766	VV	0.00	
61	21.89		2075	VV	0.00	
62	23.32		1145	PV	0.00	
63	24.01		1987	VV	0.00	

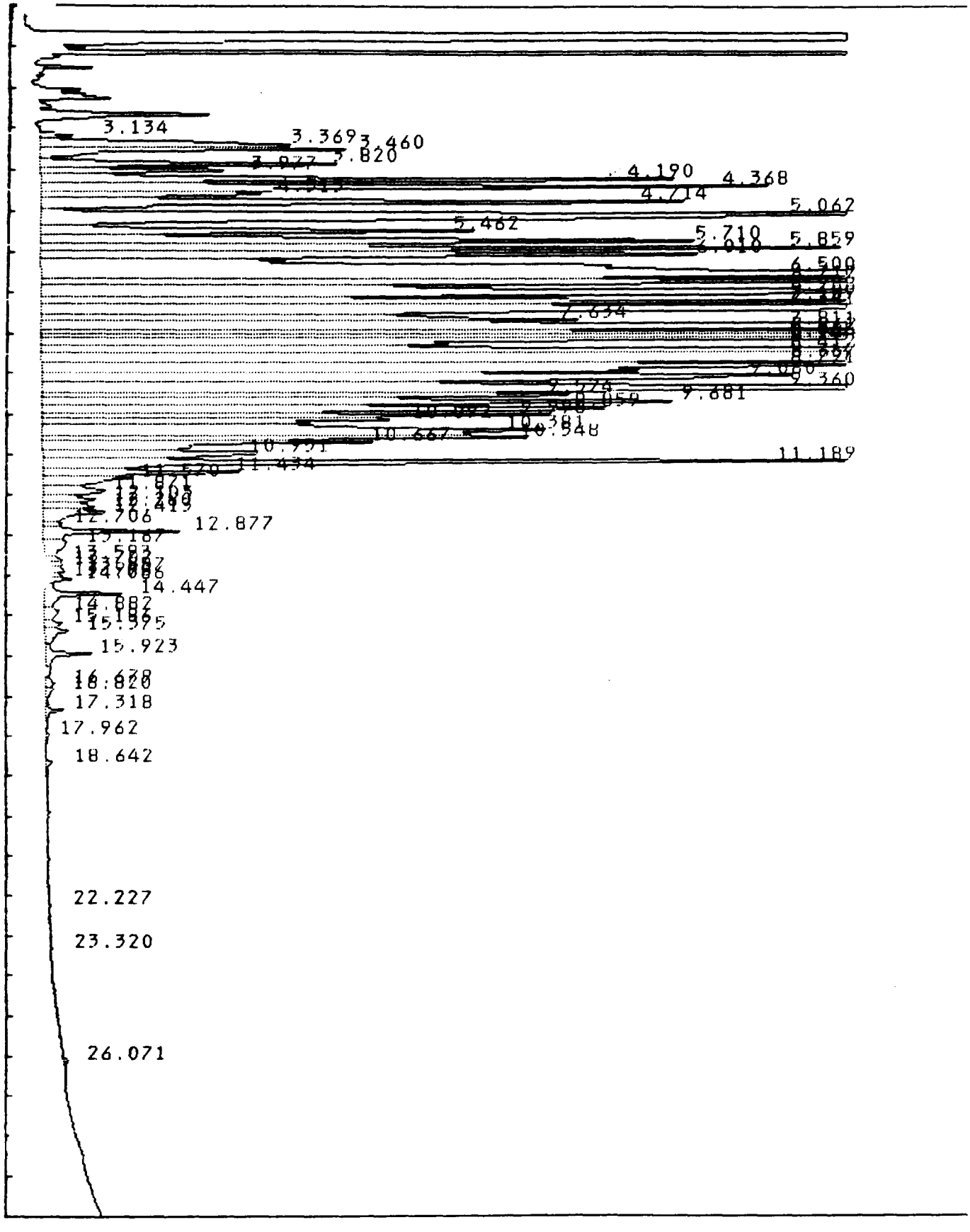
Total Area : 7629172 Total PPB : .919

Report Time : 1442 07Aug1994
Method : /METHOD/FID2061194.MTH
Result File : /RESULT/FID2080794_002.RES

IEA Petroleum Hydrocarbons

2 2 0896

Sample Name : varsol 2000ug/ml Inj on 1457 07Aug1994
Result File : /RESULT/FID2080794_003.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons

Sample Name : varsol 2000ug/ml Report No :560.00
Result File : /RESULT/FID2080794_003.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 1457 07Aug1994
Sequence File : /SEQUENCE/FID2080794.SEQ
Subseq/Sample : 1/ 3 Bottle no. : 3

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.13		9537	BV	0.00	
2	3.37		123987	VV	0.00	
3	3.46		116364	VV	0.00	
4	3.82		112559	VV	0.00	
5	3.98		76113	VV	0.00	
6	4.19		229294	VV	0.00	
7	4.37		282063	VV	0.00	
8	4.51		95069	VV	0.00	
9	4.71		300047	VV	0.00	
0	5.06		837204	VV	0.00	
1	5.46		180317	VV	0.00	
12	5.71		332299	VV	0.00	
13	5.86		284348	VV	0.00	
14	6.01		331249	VV	0.00	
15	6.50		1133222	VV	0.00	
16	6.71		530516	VV	0.00	
17	6.99		681258	VV	0.00	
18	7.19		305788	VV	0.00	
19	7.34		1648505	VV	0.00	
20	7.63		279177	VV	0.00	
21	7.81		774957	VV	0.00	
22	7.96		415501	VV	0.00	
23	8.07		276569	VV	0.00	
24	8.14	#8.12	433516	VV	1.20	1,3-Dichlorobenzene
25	8.41		469923	VV	0.00	
26	8.66		951894	VV	0.00	
27	8.79		626347	VV	0.00	
28	9.06		495900	VV	0.00	
29	9.36		1483735	VV	0.00	
30	9.52		194704	VV	0.00	
31	9.68		311927	VV	0.00	
32	9.86		253814	VV	0.00	
33	10.00		153702	VV	0.00	
34	10.09		189063	VV	0.00	
35	10.38		377714	VV	0.00	
6	10.55		163617	VV	0.00	

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	10.67		178694	VV	0.00	
8	10.95		131846	VV	0.00	
39	11.19		335102	VV	0.00	
40	11.43		79623	VV	0.00	
41	11.57		54358	VV	0.00	
42	11.87		42270	VV	0.00	
43	12.10		26138	VV	0.00	
44	12.28		26864	VV	0.00	
45	12.41		39904	VV	0.00	
46	12.71		5608	VV	0.00	
47	12.88		56657	VV	0.00	
48	13.17		25451	VV	0.00	
49	13.59		8485	VV	0.00	
50	13.70		6811	VV	0.00	
51	13.89		12413	VV	0.00	
52	14.00		5033	VV	0.00	
53	14.09		10620	VV	0.00	
54	14.45		41644	VV	0.00	
55	14.88		10919	VV	0.00	
56	15.19		8481	VV	0.00	
57	15.37		18039	VV	0.00	
58	15.92		22193	VV	0.00	
59	16.68		5616	VV	0.00	
60	16.82		4796	VV	0.00	
61	17.32		7017	VB	0.00	
62	17.96		1976	BV	0.00	
3	18.64		3455	PB	0.00	
64	22.23		1617	BV	0.00	
65	23.32		1722	VB	0.00	
66	26.07		3066	PV	0.00	

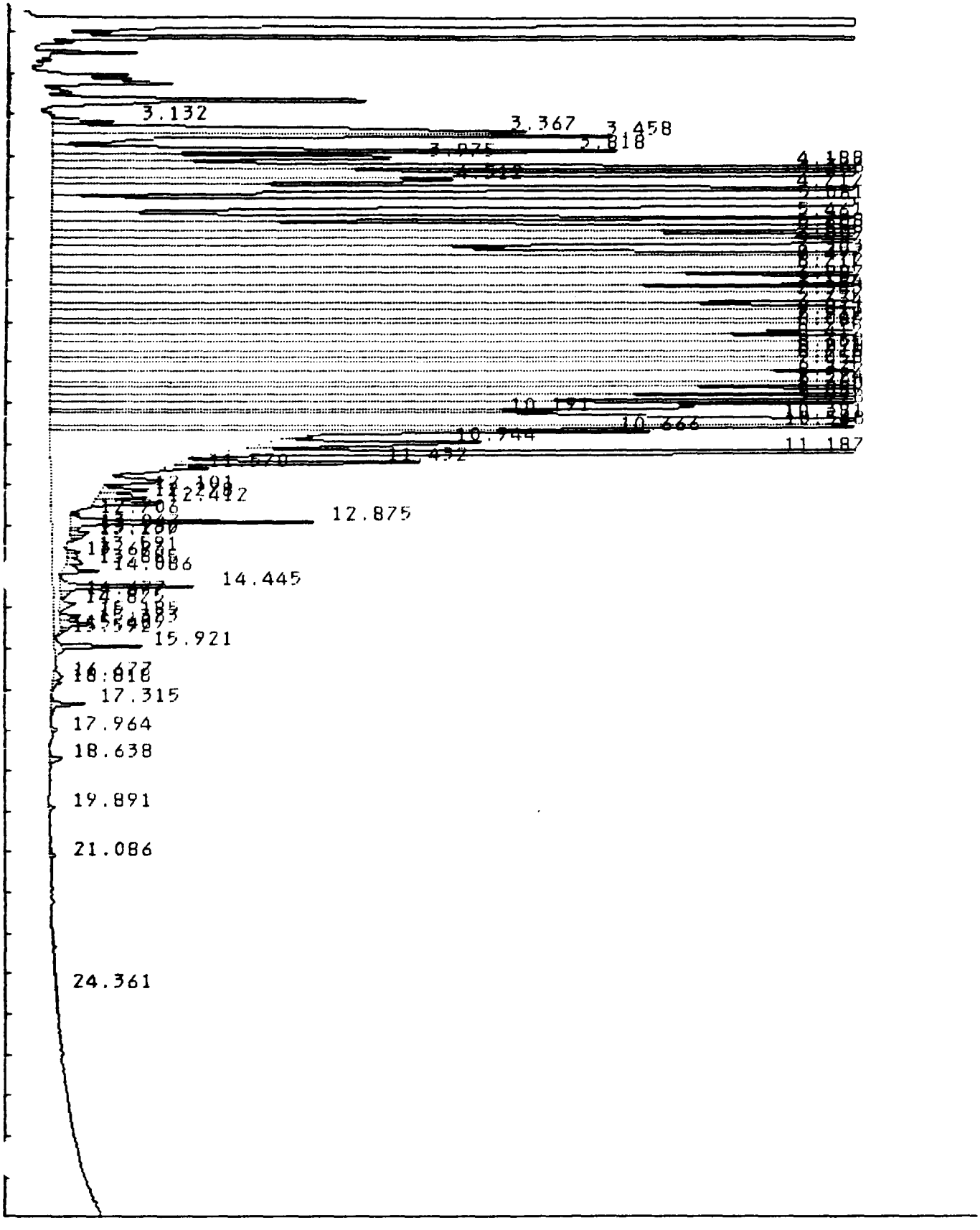
Total Area : 16638220 Total PPB : 1.203

Report Time : 1528 07Aug1994
Method : /METHOD/FID2061194.MTH
Result File : /RESULT/FID2080794_003.RES

IEA Petroleum Hydrocarbons

2 2 0899

Sample Name : varsol 4000ug/ml Inj on 1543 07Aug1994
Result File : /RESULT/FID2080794_004.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons 2 2 0000

Sample Name : varsol 4000ug/ml Report No :561.00
sult File : /RESULT/FID2080794_004.RES
olumn Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 1543 07Aug1994
Sequence File : /SEQUENCE/FID2080794.SEQ
Subseq/Sample : 1/ 4 Bottle no. : 4

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.13		17973	BV	0.00	
2	3.37		230177	VV	0.00	
3	3.46		211035	VV	0.00	
4	3.82		206179	VV	0.00	
5	3.98		137043	VV	0.00	
6	4.19		428588	VV	0.00	
7	4.37		513122	VV	0.00	
8	4.51		170205	VV	0.00	
9	4.71		545407	VV	0.00	
10	5.06		1531654	VV	0.00	
11	5.46		326913	VV	0.00	
12	5.71		608774	VV	0.00	
13	5.86		524799	VV	0.00	
14	6.01		602587	VV	0.00	
15	6.30		499005	VV	0.00	
16	6.50		1598649	VV	0.00	
17	6.71		943854	VV	0.00	
18	6.99		1244213	VV	0.00	
19	7.18		580330	VV	0.00	
20	7.34		2944858	HS	0.00	
21	7.63		505260	HS	0.00	
22	7.81		1425453	HS	0.00	
23	7.96		661996	HS	0.00	
24	8.06	#8.12	1355620	HS	3.75	1,3-Dichlorobenzene
25	8.41		854198	HS	0.00	
26	8.66		1754259	HS	0.00	
27	8.79		742073	HS	0.00	
28	8.92		423293	HS	0.00	
29	9.06		912922	HS	0.00	
30	9.36		2715636	HS	0.00	
31	9.52		369695	HS	0.00	
32	9.68		580389	HS	0.00	
33	9.86		478770	HS	0.00	
34	10.00		473045	HS	0.00	
35	10.19		140659	HS	0.00	
36	10.38		695948	HS	0.00	

IEA Petroleum Hydrocarbons

2 2 0901

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	10.55		295983	HS	0.00	
3	10.67		1152754	HS	0.00	
39	10.94		86214	BT	0.00	
40	11.19		450077	VT	0.00	
41	11.43		63907	PT	0.00	
42	11.57		9454	VT	0.00	
43	12.10		13786	PT	0.00	
44	12.28		19338	VT	0.00	
45	12.41		24389	VT	0.00	
46	12.71		1896	BT	0.00	
47	12.87		74434	VT	0.00	
48	13.05		2557	VT	0.00	
49	13.16		6171	VT	0.00	
50	13.24		4213	VT	0.00	
51	13.59		3784	PT	0.00	
52	13.69		3747	VT	0.00	
53	13.89		9113	VT	0.00	
54	14.09		9230	VT	0.00	
55	14.44		45382	PT	0.00	
56	14.68		4761	VT	0.00	
57	14.87		9172	VT	0.00	
58	15.18		9095	PT	0.00	
59	15.37		13874	VT	0.00	
60	15.49		2160	VT	0.00	
61	15.59		1015	PT	0.00	
62	15.92		20063	PT	0.00	
3	16.68		5276	VV	0.00	
4	16.82		3858	VV	0.00	
65	17.31		12373	PV	0.00	
66	17.96		2211	PV	0.00	
67	18.64		5674	BV	0.00	
68	19.89		1781	BV	0.00	
69	21.09		3257	VV	0.00	
70	24.36		1632	PV	0.00	

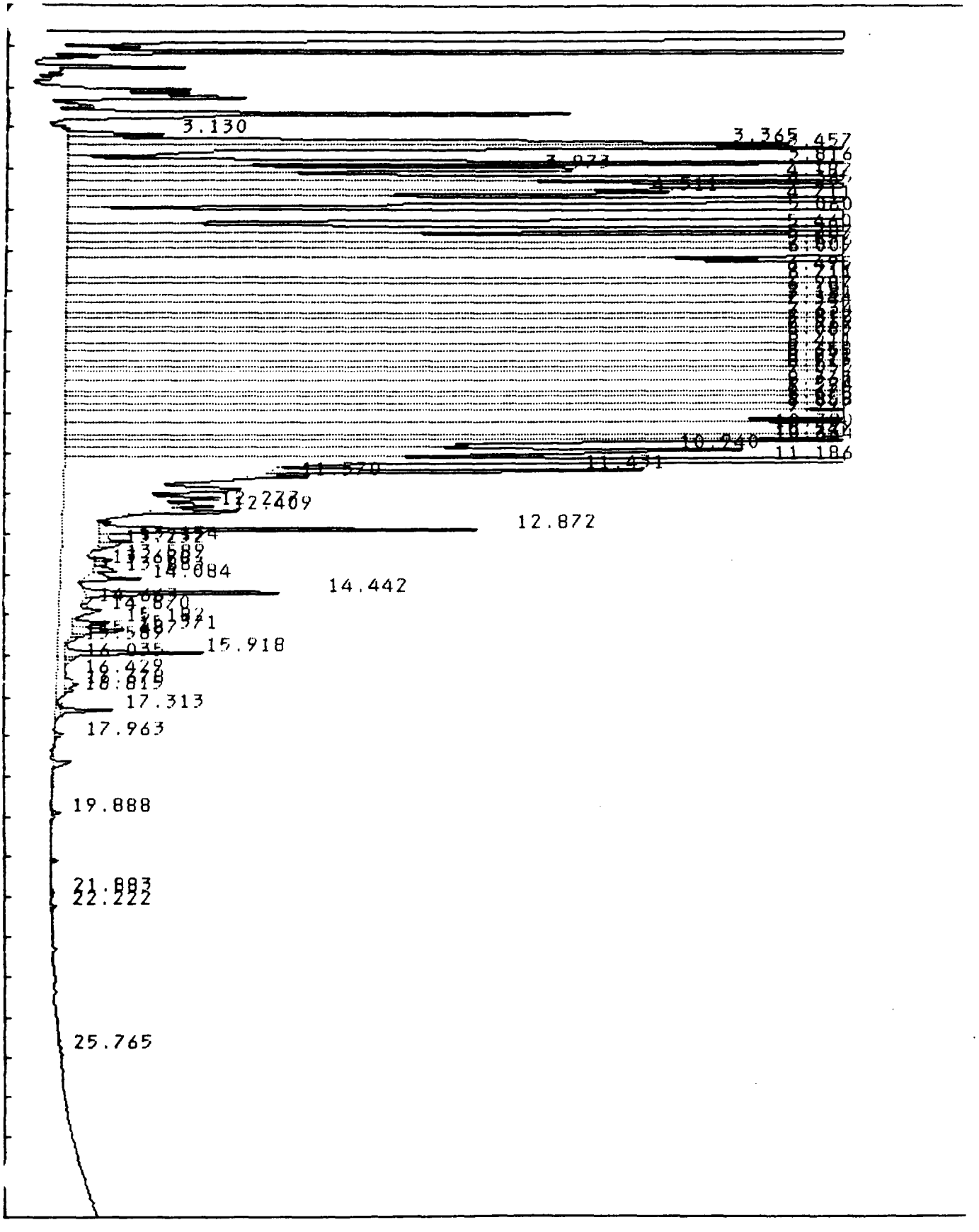
Total Area : 30327208 Total PPB : 3.754

Report Time : 1614 07Aug1994
Method : /METHOD/FID2061194.MTH
Result File : /RESULT/FID2080794_004.RES

IEA Petroleum Hydrocarbons

2 2 0902

Sample Name : varsol 5000ug/ml Inj on 1629 07Aug1994
Result File : /RESULT/FID2080794_005.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons 2 2 0903

mple Name : varsol 5000ug/ml Report No :562.00
sult File : /RESULT/FID2080794_005.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 1629 07Aug1994
Sequence File : /SEQUENCE/FID2080794.SEQ
Subseq/Sample : 1/ 5 Bottle no. : 5

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.13		27522	BV	0.00	
2	3.37		350925	VV	0.00	
3	3.46		318997	VV	0.00	
4	3.82		314380	VV	0.00	
5	3.97		207681	VV	0.00	
6	4.19		668931	VV	0.00	
7	4.36		775094	VV	0.00	
8	4.51		265893	VV	0.00	
9	4.71		839799	VV	0.00	
0	5.06		2352705	VV	0.00	
11	5.46		505320	VV	0.00	
12	5.71		934866	VV	0.00	
13	5.86		795473	VV	0.00	
14	6.01		927648	VV	0.00	
15	6.50		3216073	VV	0.00	
16	6.71		1432404	VV	0.00	
17	6.99		1864323	VV	0.00	
18	7.18		927882	VV	0.00	
19	7.34		4461468	HS	0.00	
20	7.63		775501	HS	0.00	
21	7.81		2194482	HS	0.00	
22	7.96		1011439	HS	0.00	
23	8.06	#8.12	2066657	HS	5.72	1,3-Dichlorobenzene
24	8.41		1346245	HS	0.00	
25	8.66		2677255	HS	0.00	
26	8.79		1007407	HS	0.00	
27	8.91		773006	HS	0.00	
28	9.05		1393622	HS	0.00	
29	9.36		4141984	HS	0.00	
30	9.52		550960	HS	0.00	
31	9.68		897874	HS	0.00	
32	9.86		724670	HS	0.00	
33	10.00		963474	HS	0.00	
34	10.38		1069582	HS	0.00	
35	10.55		442811	HS	0.00	
36	10.66		513483	HS	0.00	

IEA Petroleum Hydrocarbons

2 2 0904

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	10.94		390094	HS	0.00	
38	11.19		1979527	HS	0.00	
39	11.43		98581	BT	0.00	
40	11.57		11265	VT	0.00	
41	12.28		14464	PT	0.00	
42	12.41		14088	PT	0.00	
43	12.87		114614	PT	0.00	
44	13.15		11521	VT	0.00	
45	13.23		5836	VT	0.00	
46	13.59		4071	PT	0.00	
47	13.69		5164	VT	0.00	
48	13.88		10640	VT	0.00	
49	14.08		11202	PT	0.00	
50	14.44		67684	PT	0.00	
51	14.66		3412	VT	0.00	
52	14.87		1981	PT	0.00	
53	15.18		14471	BT	0.00	
54	15.37		22085	VT	0.00	
55	15.49		4005	VT	0.00	
56	15.59		2382	VT	0.00	
57	15.92		39311	PT	0.00	
58	16.04		3307	VT	0.00	
59	16.43		2796	VT	0.00	
60	16.68		7024	VT	0.00	
61	16.82		2596	VT	0.00	
62	17.31		10945	PT	0.00	
63	17.96		2967	BT	0.00	
64	19.89		2652	PT	0.00	
65	21.88		1496	BV	0.00	
66	22.22		1457	PV	0.00	
67	25.76		1024	VV	0.00	

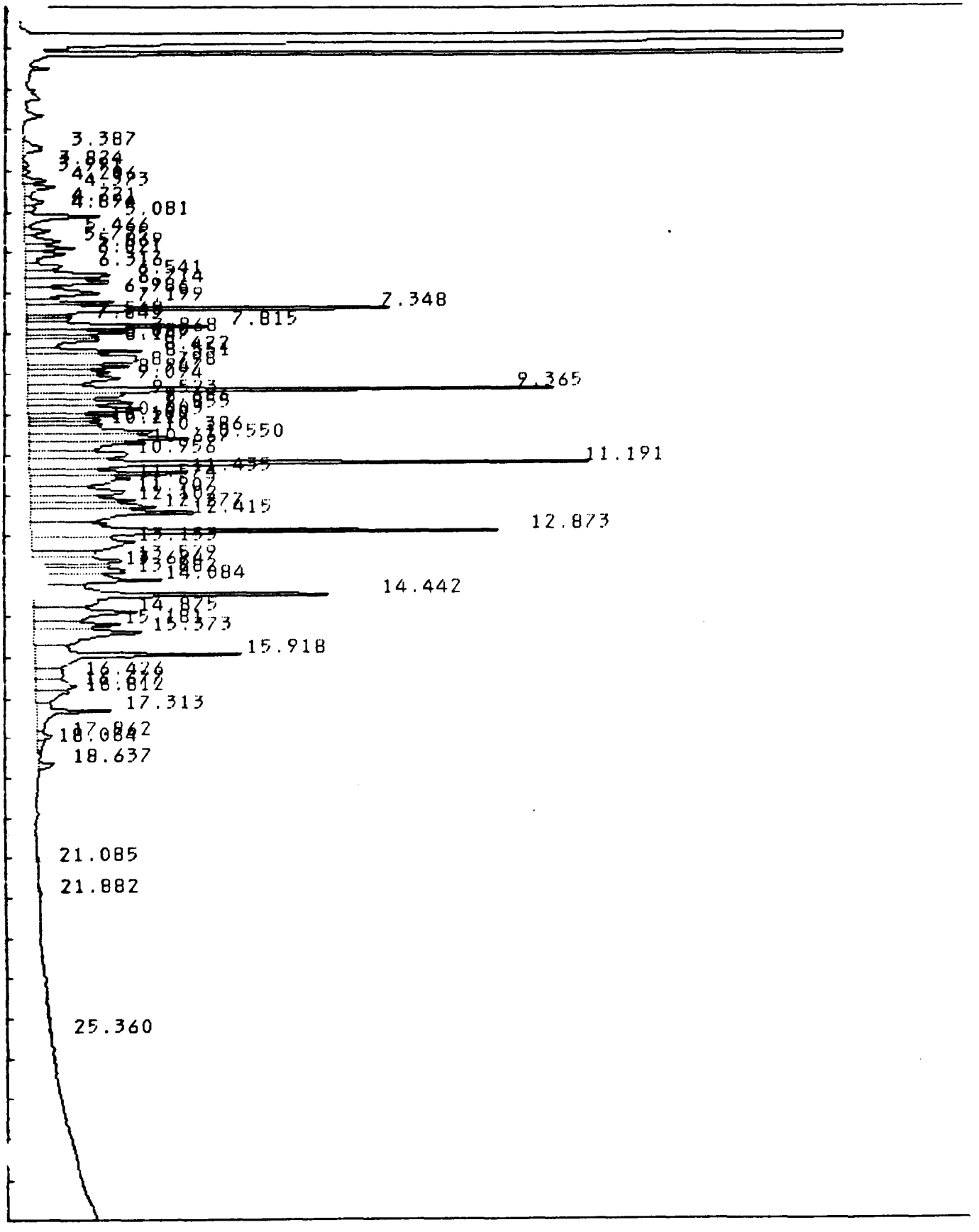
Total Area : 46600520 Total PPB : 5.721

Report Time : 1700 07Aug1994
Method : /METHOD/FID2061194.MTH
Result File : /RESULT/FID2080794_005.RES

IEA Petroleum Hydrocarbons

2 2 0905

Sample Name : kerosene 400ug/m Inj on 1716 07Aug1994
Result File : /RESULT/FID2080794_006.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons 2 2 0906

Sample Name : kerosene 400ug/ml Report No :563.00
Result File : /RESULT/FID2080794_006.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 1716 07Aug1994
Sequence File : /SEQUENCE/FID2080794.SEQ
Subseq/Sample : 1/ 6 Bottle no. : 6

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.39		14287	VV	0.00	
2	3.82		2378	PV	0.00	
3	3.99		2577	VV	0.00	
4	4.21		8930	VV	0.00	
5	4.37		17770	VV	0.00	
6	4.72		10677	VV	0.00	
7	4.89		4653	VV	0.00	
8	5.08		34090	VV	0.00	
9	5.47		11737	VV	0.00	
0	5.72		18060	VV	0.00	
11	5.87		18139	VV	0.00	
12	6.02		22118	VV	0.00	
13	6.32		20080	VV	0.00	
14	6.54		48180	VV	0.00	
15	6.71		44449	VV	0.00	
16	6.99		49501	VV	0.00	
17	7.20		33737	VV	0.00	
18	7.35		130909	VV	0.00	
19	7.55		15108	VV	0.00	
20	7.64		15239	VV	0.00	
21	7.81		75735	VV	0.00	
22	7.97		38177	VV	0.00	
23	8.08		20204	VV	0.00	
24	8.15	#8.12	36837	VV	.11	1,3-Dichlorobenzene
25	8.42		42210	VV	0.00	
26	8.55		93342	VV	0.00	
27	8.80		41371	VV	0.00	
28	8.95		31598	VV	0.00	
29	9.09		61949	VV	0.00	
30	9.37		180560	VV	0.00	
31	9.52		38643	VV	0.00	
32	9.69		50545	VV	0.00	
33	9.86		53292	VV	0.00	
34	10.00		28723	VV	0.00	
35	10.10		24705	VV	0.00	
6	10.22		28069	VV	0.00	

IEA Petroleum Hydrocarbons 2 2 0907

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	10.39		61944	VV	0.00	
38	10.55		84702	VV	0.00	
39	10.67		76445	VV	0.00	
40	10.96		63515	VV	0.00	
41	11.19		195922	VV	0.00	
42	11.43		66159	VV	0.00	
43	11.57		70243	VV	0.00	
44	11.91		68410	VV	0.00	
45	12.10		53014	VV	0.00	
46	12.28		66349	VV	0.00	
47	12.42		119027	VV	0.00	
48	12.87		208950	VV	0.00	
49	13.15		110794	VV	0.00	
50	13.58		44681	VV	0.00	
51	13.69		28232	VV	0.00	
52	13.88		60280	VV	0.00	
53	14.08		76809	VV	0.00	
54	14.44		187556	VV	0.00	
55	14.87		81890	VV	0.00	
56	15.18		42813	VV	0.00	
57	15.37		98858	VV	0.00	
58	15.92		112978	VV	0.00	
59	16.43		26592	VV	0.00	
60	16.68		29351	VV	0.00	
61	16.81		27662	VV	0.00	
62	17.31		45699	VV	0.00	
63	17.96		6972	VV	0.00	
64	18.08		5724	VV	0.00	
65	18.64		7513	VV	0.00	
66	21.09		1573	BV	0.00	
67	21.88		1992	VB	0.00	
68	25.36		1024	VV	0.00	

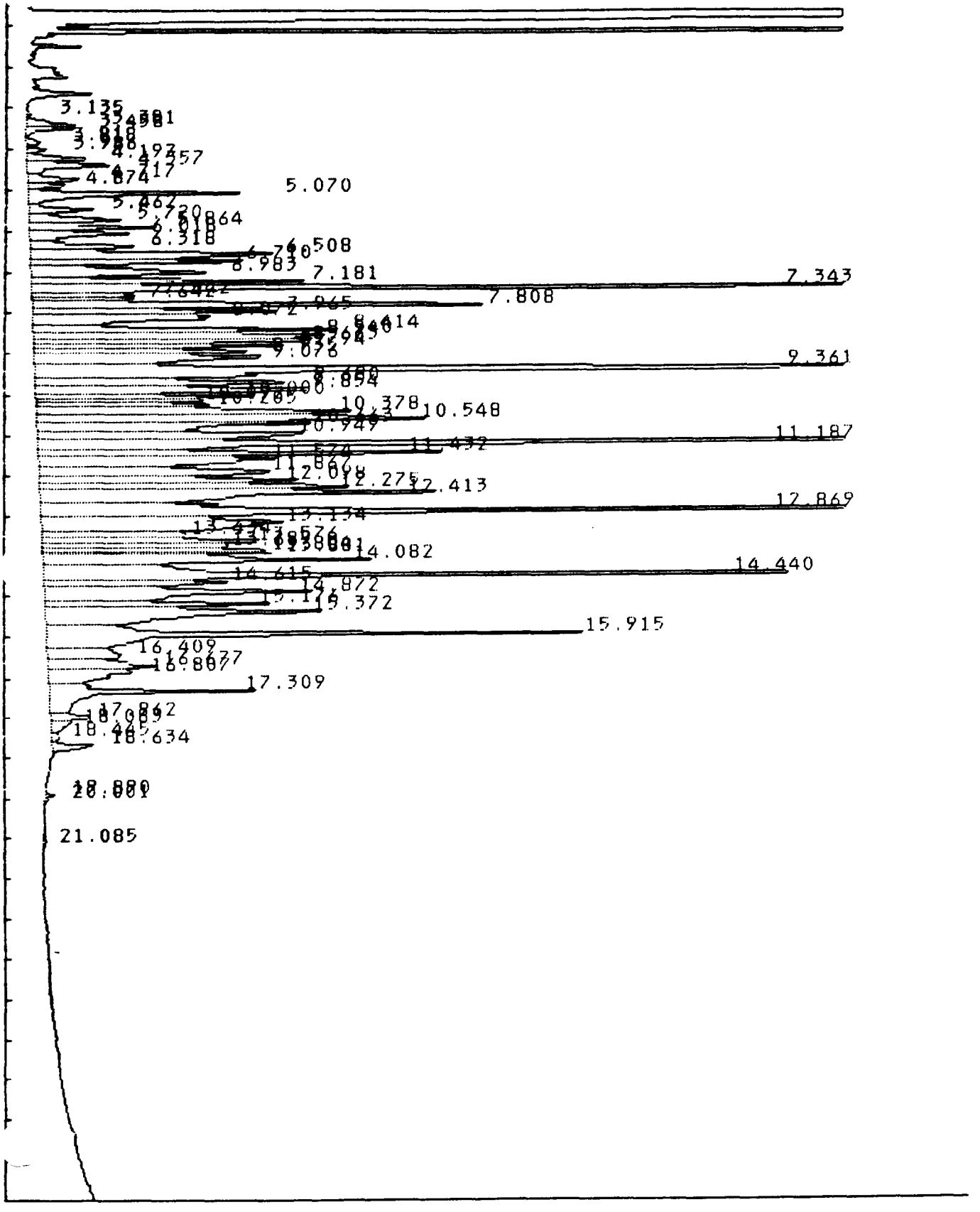
Total Area : 3502252 Total PPB : .106

Report Time : 1747 07Aug1994
Method : /METHOD/FID2061194.MTH
Result File : /RESULT/FID2080794_006.RES

IEA Petroleum Hydrocarbons

2 2 0903

Sample Name : kerosene 1000ug Inj on 1802 07Aug1994
Result File : /RESULT/FID2080794_007.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons 2 2 0909

Sample Name : kerosene 1000ug/ml Report No :564.00
Result File : /RESULT/FID2080794_007.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 1802 07Aug1994
Sequence File : /SEQUENCE/FID2080794.SEQ
Subseq/Sample : 1/ 7 Bottle no. : 7

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.14		1285	BV	0.00	
2	3.38		20638	VV	0.00	
3	3.46		17340	VV	0.00	
4	3.82		6348	PV	0.00	
5	3.99		6401	VV	0.00	
6	4.20		25668	VV	0.00	
7	4.36		49498	VV	0.00	
8	4.72		25457	VV	0.00	
9	4.87		14301	VV	0.00	
10	5.07		90380	VV	0.00	
11	5.46		28896	VV	0.00	
12	5.72		46237	VV	0.00	
13	5.86		46013	VV	0.00	
14	6.02		52393	VV	0.00	
15	6.32		50964	VV	0.00	
16	6.51		145856	VV	0.00	
17	6.71		89962	VV	0.00	
18	6.98		116771	VV	0.00	
19	7.18		90648	VV	0.00	
20	7.34		332980	VV	0.00	
21	7.54		36584	VV	0.00	
22	7.64		34470	VV	0.00	
23	7.81		193030	VV	0.00	
24	7.96		91404	VV	0.00	
25	8.07	#8.12	133920	VV	.37	1,3-Dichlorobenzene
26	8.41		115653	VV	0.00	
27	8.54		139862	VV	0.00	
28	8.66		99358	VV	0.00	
29	8.79		89810	VV	0.00	
30	8.93		85783	VV	0.00	
31	9.08		147036	VV	0.00	
32	9.36		540901	VV	0.00	
33	9.68		129319	VV	0.00	
34	9.85		119290	VV	0.00	
35	10.00		68256	VV	0.00	
36	10.09		54535	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0910

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	10.20		64579	VV	0.00	
38	10.38		155698	VV	0.00	
39	10.55		212118	VV	0.00	
40	10.66		175738	VV	0.00	
41	10.95		159635	VV	0.00	
42	11.19		485771	VV	0.00	
43	11.43		162800	VV	0.00	
44	11.57		160933	VV	0.00	
45	11.87		166548	VV	0.00	
46	12.10		125055	VV	0.00	
47	12.27		162288	VV	0.00	
48	12.41		280002	VV	0.00	
49	12.87		515669	VV	0.00	
50	13.13		260955	VV	0.00	
51	13.43		50012	VV	0.00	
52	13.58		108442	VV	0.00	
53	13.69		71544	VV	0.00	
54	13.80		68595	VV	0.00	
55	13.88		76329	VV	0.00	
56	14.08		177893	VV	0.00	
57	14.44		379427	VV	0.00	
58	14.61		94233	VV	0.00	
59	14.87		203465	VV	0.00	
60	15.18		105669	VV	0.00	
61	15.37		238657	VV	0.00	
62	15.91		278596	VV	0.00	
63	16.41		68869	VV	0.00	
64	16.68		71738	VV	0.00	
65	16.81		72089	VV	0.00	
66	17.31		127141	VV	0.00	
67	17.96		17979	VV	0.00	
68	18.08		16307	VV	0.00	
69	18.45		4001	VV	0.00	
70	18.63		19401	VV	0.00	
71	19.89		2311	BV	0.00	
72	20.00		1165	VV	0.00	
73	21.08		1243	PB	0.00	

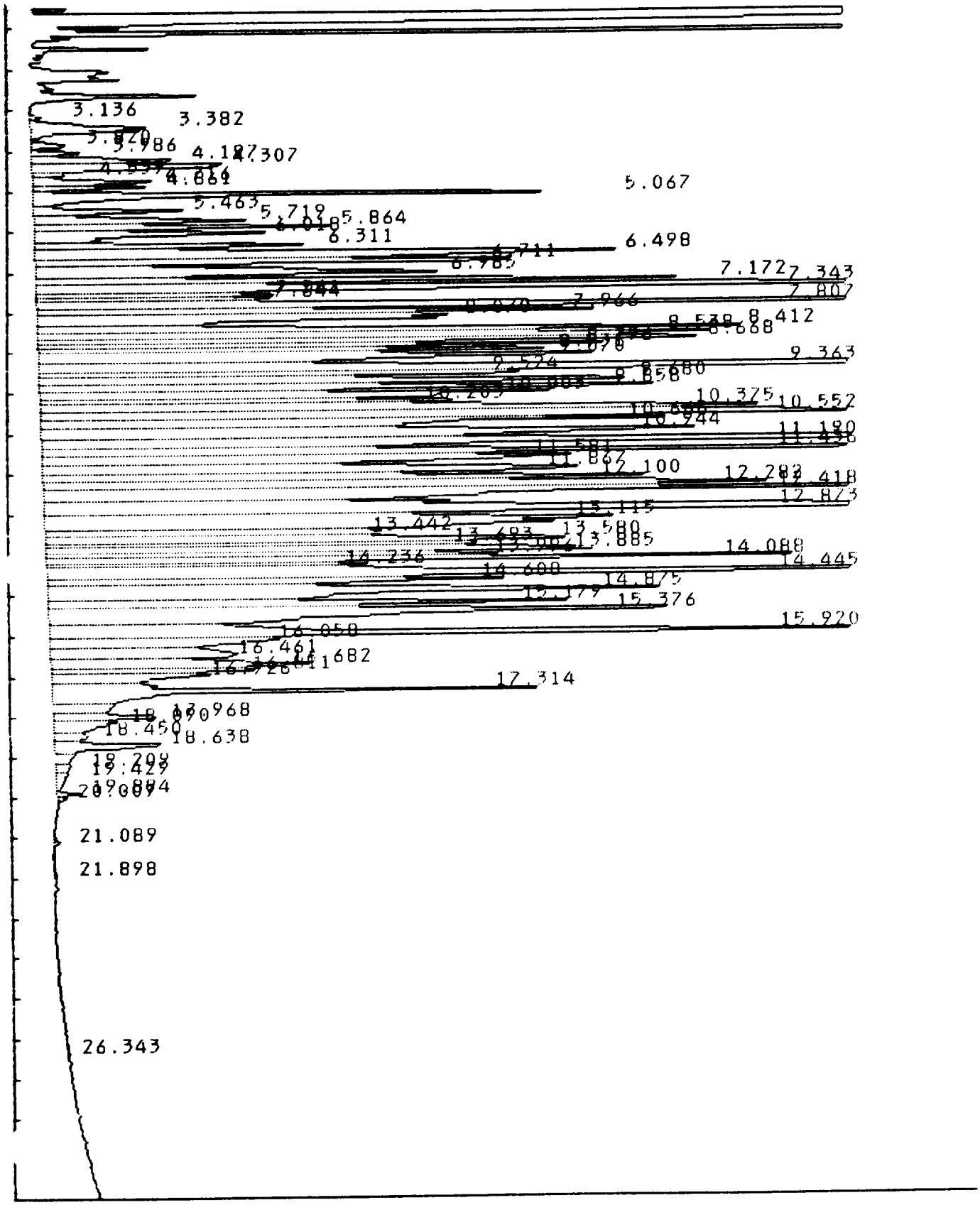
Total Area : 8680146 Total PPB : .375

Report Time : 1833 07Aug1994
Method : /METHOD/FID2061194.MTH
Result File : /RESULT/FID2080794_007.RES

IEA Petroleum Hydrocarbons

2 2 0911

Sample Name : kerosene 2000ug/ Inj on 0945 08Aug1994
Result File : /RESULT/FID2080794_016.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons

2 2 0912

Sample Name : kerosene 2000ug/ml Report No :573.00
Result File : /RESULT/FID2080794_016.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 0945 08Aug1994
Sequence File : /SEQUENCE/FID2080794.SEQ
Subseq/Sample : 1/ 16 Bottle no. : 16

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.14		3293	BV	0.00	
2	3.38		84828	VV	0.00	
3	3.82		15137	PV	0.00	
4	3.99		15370	VV	0.00	
5	4.20		63901	VV	0.00	
6	4.31		108902	VV	0.00	
7	4.54		10888	VV	0.00	
8	4.72		53954	VV	0.00	
9	4.86		36995	VV	0.00	
10	5.07		204893	VV	0.00	
11	5.46		61963	VV	0.00	
12	5.72		104096	VV	0.00	
13	5.86		102116	VV	0.00	
14	6.02		117171	VV	0.00	
15	6.31		117739	VV	0.00	
16	6.50		352667	VV	0.00	
17	6.71		177044	VV	0.00	
18	6.98		258119	VV	0.00	
19	7.17		221385	VV	0.00	
20	7.34		738110	VV	0.00	
21	7.54		78252	VV	0.00	
22	7.64		75286	VV	0.00	
23	7.81		435111	VV	0.00	
24	7.97		197267	VV	0.00	
25	8.07	#8.12	294380	VV	.82	1,3-Dichlorobenzene
26	8.41		279984	VV	0.00	
27	8.54		305384	VV	0.00	
28	8.67		223798	VV	0.00	
29	8.80		183346	VV	0.00	
30	8.93		203920	VV	0.00	
31	9.07		325910	VV	0.00	
32	9.36		1037145	VV	0.00	
33	9.52		157636	VV	0.00	
34	9.68		297454	VV	0.00	
35	9.86		258956	VV	0.00	
36	10.00		277212	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0913

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	10.20		146179	VV	0.00	
8	10.37		355227	VV	0.00	
39	10.55		481775	VV	0.00	
40	10.67		366571	VV	0.00	
41	10.94		415941	VV	0.00	
42	11.19		1028958	VV	0.00	
43	11.44		370476	VV	0.00	
44	11.58		344492	VV	0.00	
45	11.87		372293	VV	0.00	
46	12.10		278816	VV	0.00	
47	12.28		384845	VV	0.00	
48	12.42		594123	VV	0.00	
49	12.87		1148110	VV	0.00	
50	13.12		582332	VV	0.00	
51	13.44		123880	VV	0.00	
52	13.58		243765	VV	0.00	
53	13.69		160270	VV	0.00	
54	13.88		319557	VV	0.00	
55	14.00		127995	VV	0.00	
56	14.09		249474	VV	0.00	
57	14.24		114807	VV	0.00	
58	14.45		738400	VV	0.00	
59	14.61		217976	VV	0.00	
60	14.88		458452	VV	0.00	
61	15.18		241481	VV	0.00	
62	15.38		536128	VV	0.00	
63	15.92		480555	VV	0.00	
64	16.06		159102	VV	0.00	
65	16.46		164475	VV	0.00	
66	16.68		171115	VV	0.00	
67	16.81		71585	VV	0.00	
68	16.93		95235	VV	0.00	
69	17.31		265508	VV	0.00	
70	17.97		48294	VV	0.00	
71	18.09		52081	VV	0.00	
72	18.45		19143	VV	0.00	
73	18.64		64675	VV	0.00	
74	19.21		10487	VV	0.00	
75	19.43		12036	VV	0.00	
76	19.89		6249	VV	0.00	
77	20.01		2710	VV	0.00	
78	21.09		2459	BV	0.00	
79	21.90		1962	PV	0.00	
80	26.34		1024	VV	0.00	

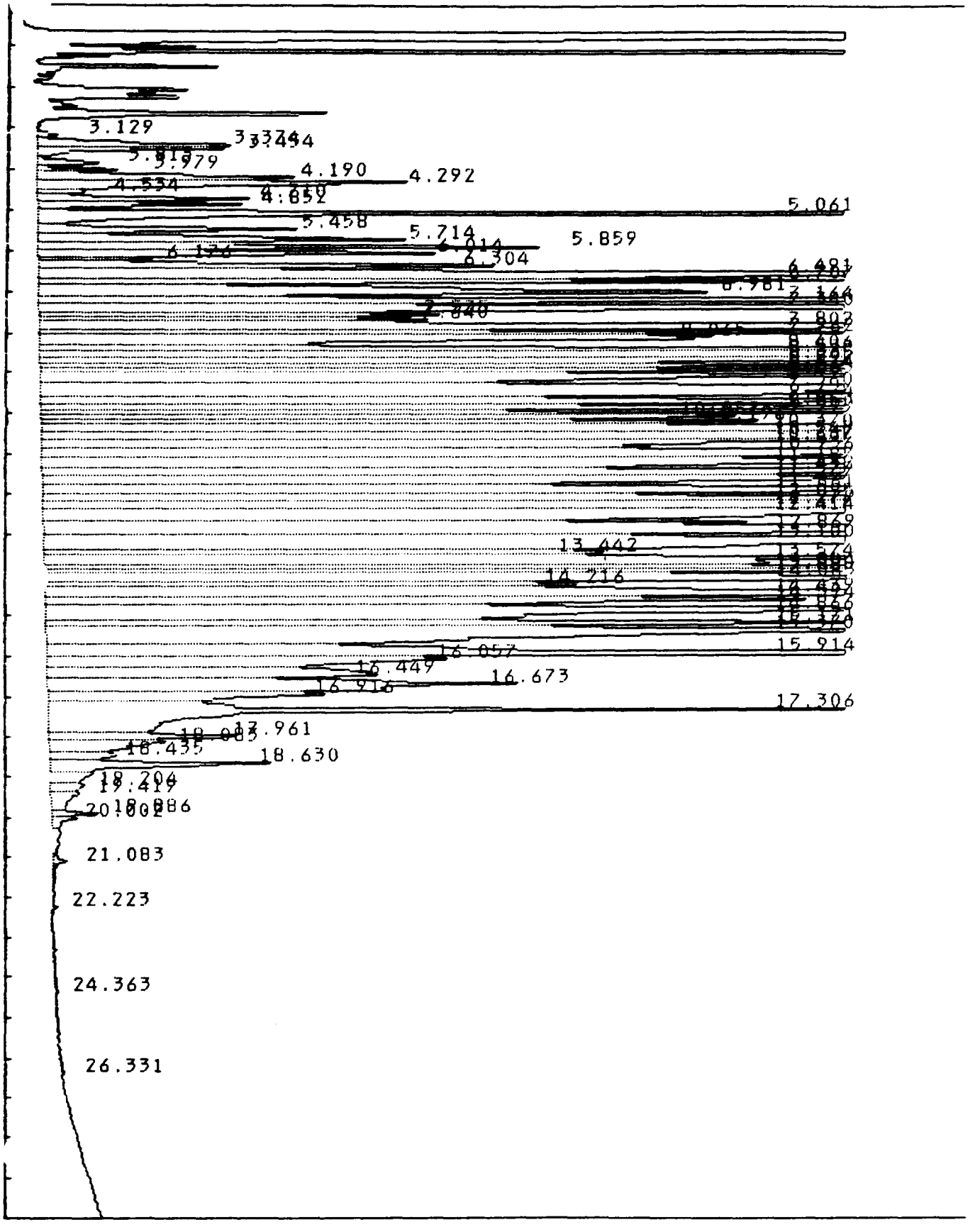
Total Area : 19510640 Total PPB : .819

Report Time : 1016 08Aug1994
Method : /METHOD/FID2061194.MTH
Result File : /RESULT/FID2080794_016.RES

IEA Petroleum Hydrocarbons

2 2 0914

Sample Name : kerosene 4000ug/ Inj on 1934 07Aug1994
Result File : /RESULT/FID2080794_009.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons 2 2 0915

mple Name : kerosene 4000ug/ml Report No :566.00
esult File : /RESULT/FID2080794_009.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 1934 07Aug1994
Sequence File : /SEQUENCE/FID2080794.SEQ
Subseq/Sample : 1/ 9 Bottle no. : 9

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.13		6018	BV	0.00	
2	3.37		86610	VV	0.00	
3	3.45		67322	VV	0.00	
4	3.81		27135	PV	0.00	
5	3.98		27264	VV	0.00	
6	4.19		114295	VV	0.00	
7	4.29		197408	VV	0.00	
8	4.53		17453	VV	0.00	
9	4.71		92610	VV	0.00	
0	4.85		66061	VV	0.00	
11	5.06		362402	VV	0.00	
12	5.46		106172	VV	0.00	
13	5.71		182876	VV	0.00	
14	5.86		179604	VV	0.00	
15	6.01		173187	VV	0.00	
16	6.18		29130	VV	0.00	
17	6.30		208068	VV	0.00	
18	6.49		621486	VV	0.00	
19	6.71		314030	VV	0.00	
20	6.98		443187	VV	0.00	
21	7.16		384206	VV	0.00	
22	7.34		1293147	VV	0.00	
23	7.54		134568	VV	0.00	
24	7.64		124535	VV	0.00	
25	7.80		759440	VV	0.00	
26	7.96		329678	VV	0.00	
27	8.06	#8.12	500267	VV	1.39	1,3-Dichlorobenzene
28	8.41		503291	VV	0.00	
29	8.53		497570	VV	0.00	
30	8.67		411456	VV	0.00	
31	8.79		307842	VV	0.00	
32	8.92		356873	VV	0.00	
33	9.06		560983	VV	0.00	
34	9.36		2080548	VV	0.00	
35	9.67		520849	VV	0.00	
36	9.85		440467	VV	0.00	

IEA Petroleum Hydrocarbons 2 2 0916

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	11.44		38916	VV	0.00	
3	11.66		16137	VV	0.00	
39	11.87		28053	VV	0.00	
40	12.10		26980	VV	0.00	
41	12.41		80495	VV	0.00	
42	12.61		14841	VV	0.00	
43	12.88		107349	VV	0.00	
44	13.14		36181	VV	0.00	
45	13.23		66952	VV	0.00	
46	13.59		48631	VV	0.00	
47	13.88		41258	VV	0.00	
48	14.09		57672	VV	0.00	
49	14.44		111963	VV	0.00	
50	14.63		51873	VV	0.00	
51	14.85		100422	VV	0.00	
52	15.18		55654	VV	0.00	
53	15.38		109841	VV	0.00	
54	15.92		114637	VV	0.00	
55	16.10		60851	VV	0.00	
56	16.40		63037	VV	0.00	
57	16.69		59626	VV	0.00	
58	16.80		39107	VV	0.00	
59	16.93		46493	VV	0.00	
60	17.31		176074	VV	0.00	
61	17.72		46346	VV	0.00	
62	17.96		52852	VV	0.00	
3	18.09		70251	VV	0.00	
4	18.41		28197	VV	0.00	
65	18.63		128776	VV	0.00	
66	18.86		66541	VV	0.00	
67	19.20		71927	VV	0.00	
68	19.42		27083	VV	0.00	
69	19.53		34017	VV	0.00	
70	19.69		25893	VV	0.00	
71	19.89		63188	VV	0.00	
72	20.00		58057	VV	0.00	
73	20.41		65346	VV	0.00	
74	20.65		50878	VV	0.00	
75	20.84		18271	VV	0.00	
76	21.08		74209	VV	0.00	
77	21.26		19255	VV	0.00	
78	21.34		23698	VV	0.00	
79	21.58		43533	VV	0.00	
80	21.75		21518	VV	0.00	
81	21.90		33749	VV	0.00	
82	22.22		67393	VV	0.00	
83	22.66		31993	VV	0.00	
84	22.85		22127	VV	0.00	
85	23.05		26052	VV	0.00	
86	23.31		27548	VV	0.00	
87	23.73		20943	VV	0.00	
88	24.07		13841	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0917

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	10.00		259338	VV	0.00	
38	10.08		212461	VV	0.00	
39	10.20		251825	VV	0.00	
40	10.37		616911	VV	0.00	
41	10.55		835781	VV	0.00	
42	10.66		616234	VV	0.00	
43	10.94		712179	VV	0.00	
44	11.19		1790369	VV	0.00	
45	11.43		648936	VV	0.00	
46	11.58		585786	VV	0.00	
47	11.86		656866	VV	0.00	
48	12.09		475482	VV	0.00	
49	12.28		693521	VV	0.00	
50	12.41		1009361	VV	0.00	
51	12.87		2001818	VV	0.00	
52	13.10		1008788	VV	0.00	
53	13.44		221596	VV	0.00	
54	13.57		678160	VV	0.00	
55	13.80		261919	VV	0.00	
56	13.88		296246	VV	0.00	
57	14.08		644031	VV	0.00	
58	14.22		203532	VV	0.00	
59	14.44		1284235	VV	0.00	
60	14.59		385964	VV	0.00	
61	14.87		805558	VV	0.00	
62	15.17		421429	VV	0.00	
63	15.37		937754	VV	0.00	
64	15.91		843808	VV	0.00	
65	16.06		280274	VV	0.00	
66	16.45		286620	VV	0.00	
67	16.67		424233	VV	0.00	
68	16.92		172118	VV	0.00	
69	17.31		560073	VV	0.00	
70	17.96		92436	VV	0.00	
71	18.08		98874	VV	0.00	
72	18.44		41194	VV	0.00	
73	18.63		122182	VV	0.00	
74	19.20		25114	VV	0.00	
75	19.42		30910	VV	0.00	
76	19.89		15447	VV	0.00	
77	20.00		14485	VV	0.00	
78	21.08		8755	VB	0.00	
79	22.22		1338	PB	0.00	
80	24.36		1981	PB	0.00	
81	26.33		1558	PV	0.00	

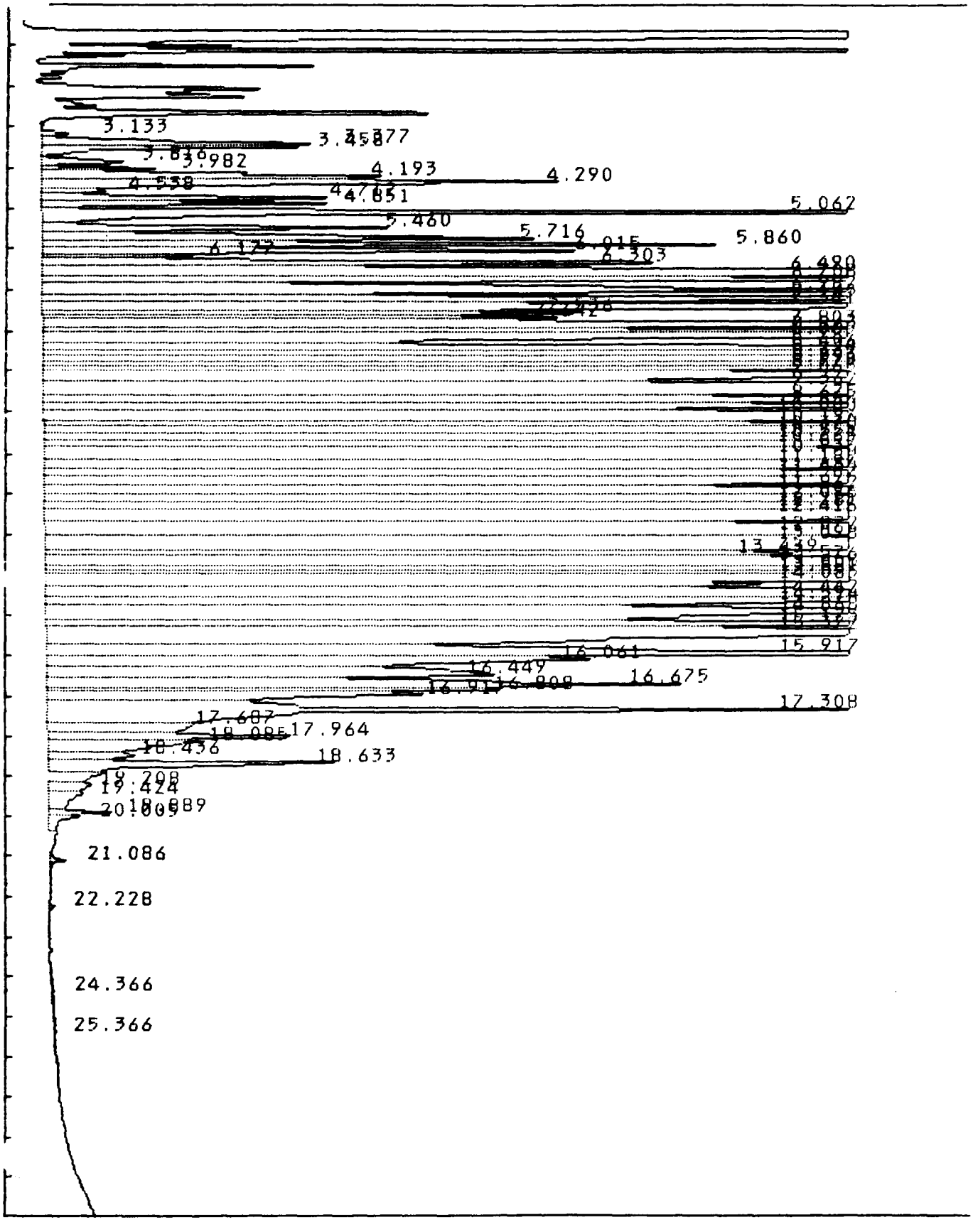
Total Area : 34065528 Total PPB : 1.388

Report Time : 2005 07Aug1994
Method : /METHOD/FID2061194.MTH
Result File : /RESULT/FID2080794_009.RES

IEA Petroleum Hydrocarbons

2 2 0913

Sample Name : Kerosene 5000ug/l Inj on 1124 08Aug1994
Result File : /RESULT/FID2080794_018.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons

2 2 0919

Sample Name : Kerosene 5000 ug/ml

Report No :575.00

Result File : /RESULT/FID2080794_018.RES

lumn Type : RTX-5 30 Meter,0.53mm ID

Inj. Vol. : 1 ul

strument : FID7

Calculation : ExternalSTD

Run Time : 30.00 Mins. Injected on 1124 08Aug1994

Sequence File : /SEQUENCE/FID2080794.SEQ

Subseq/Sample : 1/ 18 Bottle no. : 18

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	TD-tm	Area	Code	PPB	Name
1	3.13		8105	BV	0.00	
2	3.38		116607	VV	0.00	
3	3.46		89021	VV	0.00	
4	3.82		36631	PV	0.00	
5	3.98		36821	VV	0.00	
6	4.19		155122	VV	0.00	
7	4.29		268740	VV	0.00	
8	4.54		22966	VV	0.00	
9	4.71		122719	VV	0.00	
10	4.85		90705	VV	0.00	
11	5.06		484102	VV	0.00	
12	5.46		140277	VV	0.00	
13	5.72		243504	VV	0.00	
14	5.86		239429	VV	0.00	
15	6.01		228278	VV	0.00	
16	6.18		38465	VV	0.00	
17	6.30		277695	VV	0.00	
18	6.49		838056	VV	0.00	
19	6.71		413531	VV	0.00	
20	6.98		590967	VV	0.00	
21	7.16		519794	VV	0.00	
22	7.34		1731846	VV	0.00	
23	7.54		180191	VV	0.00	
24	7.64		165546	VV	0.00	
25	7.80		1021211	VV	0.00	
26	7.96		436807	VV	0.00	
27	8.06	#8.12	667522	VV	1.85	1,3-Dichlorobenzene
28	8.41		685907	VV	0.00	
29	8.53		653014	VV	0.00	
30	8.67		554047	VV	0.00	
31	8.79		403370	VV	0.00	
32	8.92		480575	VV	0.00	
33	9.06		745966	VV	0.00	
34	9.36		2783662	VV	0.00	
35	9.68		702636	VV	0.00	
36	9.85		586553	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0920

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	10.00		629814	VV	0.00	
38	10.20		337562	VV	0.00	
39	10.37		835569	VV	0.00	
40	10.55		1126266	VV	0.00	
41	10.66		627875	VV	0.00	
42	10.94		1174542	VV	0.00	
43	11.19		2380658	VV	0.00	
44	11.43		872580	VV	0.00	
45	11.58		777305	VV	0.00	
46	11.86		880386	VV	0.00	
47	12.10		631991	VV	0.00	
48	12.28		941605	VV	0.00	
49	12.42		1340204	VV	0.00	
50	12.87		2697315	VV	0.00	
51	13.10		1348639	VV	0.00	
52	13.44		303360	VV	0.00	
53	13.58		911256	VV	0.00	
54	13.81		357566	VV	0.00	
55	13.88		399796	VV	0.00	
56	14.09		1132991	VV	0.00	
57	14.44		1726965	VV	0.00	
58	14.59		519686	VV	0.00	
59	14.87		1074189	VV	0.00	
60	15.17		566808	VV	0.00	
61	15.37		1255691	VV	0.00	
62	15.92		1133600	VV	0.00	
63	16.06		376645	VV	0.00	
64	16.45		383873	VV	0.00	
65	16.68		418827	VV	0.00	
66	16.81		147385	VV	0.00	
67	16.92		228447	VV	0.00	
68	17.31		635095	VV	0.00	
69	17.69		106701	VV	0.00	
70	17.96		120490	VV	0.00	
71	18.09		126376	VV	0.00	
72	18.44		52996	VV	0.00	
73	18.63		162683	VV	0.00	
74	19.21		32211	VV	0.00	
75	19.42		36609	VV	0.00	
76	19.89		20108	VV	0.00	
77	20.01		18311	VV	0.00	
78	21.09		6402	VV	0.00	
79	22.23		2105	BV	0.00	
80	24.37		1910	BV	0.00	
81	25.37		1924	VB	0.00	

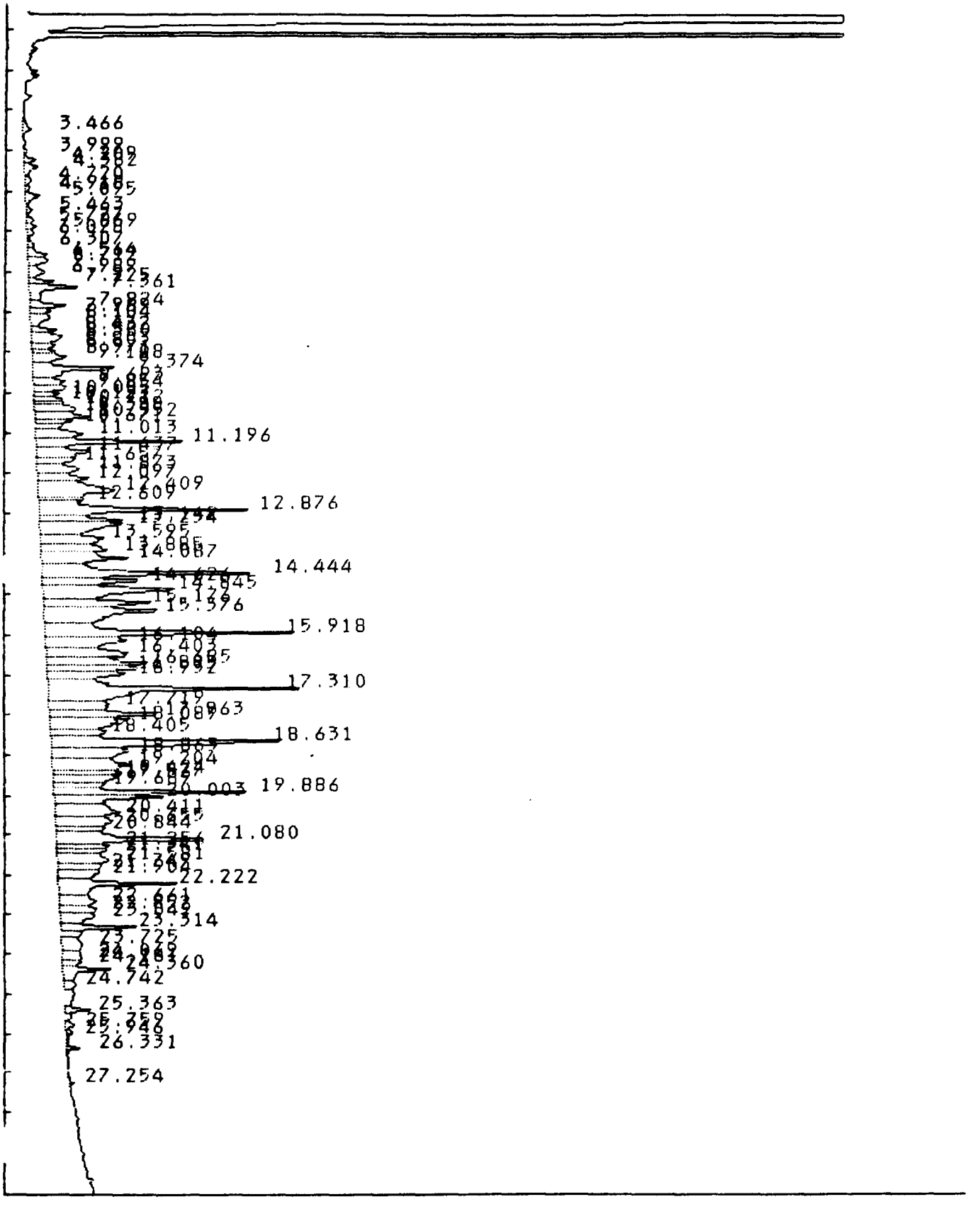
Total Area : 45623704 Total PPB : 1.851

Report Time : 1156 08Aug1994
Method : /METHOD/FID2061194.MTH
Result File : /RESULT/FID2080794_018.RES

IEA Petroleum Hydrocarbons

2 2 0921

Sample Name : #2 fuel 400ug/ml Inj on 2106 07Aug1994
Result File : /RESULT/FID2080794_011.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons 2 2 0922

Sample Name : #2 fuel 400ug/ml Report No :568.00
sult File : /RESULT/FID2080794_011.RES
olumn Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 2106 07Aug1994
Sequence File : /SEQUENCE/FID2080794.SEQ
Subseq/Sample : 1/ 11 Bottle no. : 11

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.47		4792	VV	0.00	
2	4.00		1684	VV	0.00	
3	4.21		4796	VV	0.00	
4	4.38		8298	VV	0.00	
5	4.72		3550	VV	0.00	
6	4.92		2083	VV	0.00	
7	5.10		8588	VV	0.00	
8	5.46		2850	VV	0.00	
9	5.73		3715	VV	0.00	
10	5.87		3560	VV	0.00	
11	6.03		4306	VV	0.00	
12	6.31		3412	VV	0.00	
13	6.56		9609	VV	0.00	
14	6.71		11962	VV	0.00	
15	6.99		11951	VV	0.00	
16	7.22		8543	VV	0.00	
17	7.36		28657	VV	0.00	
18	7.82		15581	VV	0.00	
19	7.97		7591	VV	0.00	
20	8.10	#8.12	15521	VV	.05	1,3-Dichlorobenzene
21	8.43		10384	VV	0.00	
22	8.58		22800	VV	0.00	
23	8.80		10673	VV	0.00	
24	8.97		9628	VV	0.00	
25	9.11		20692	VV	0.00	
26	9.37		50125	VV	0.00	
27	9.69		17074	VV	0.00	
28	9.85		15040	VV	0.00	
29	10.00		8161	VV	0.00	
30	10.12		10210	VV	0.00	
31	10.21		8766	VV	0.00	
32	10.39		26794	VV	0.00	
33	10.55		26642	VV	0.00	
34	10.67		13781	VV	0.00	
35	11.01		31615	VV	0.00	
6	11.20		55758	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0923

Pk#	RT	ID-tm	Area	Code	PPB	Name
89	24.16		9008	VV	0.00	
90	24.36		25802	VV	0.00	
91	24.74		8271	VV	0.00	
92	25.36		8834	VV	0.00	
93	25.76		4176	VV	0.00	
94	25.95		3289	VV	0.00	
95	26.33		5063	VV	0.00	
96	27.25		1211	PV	0.00	

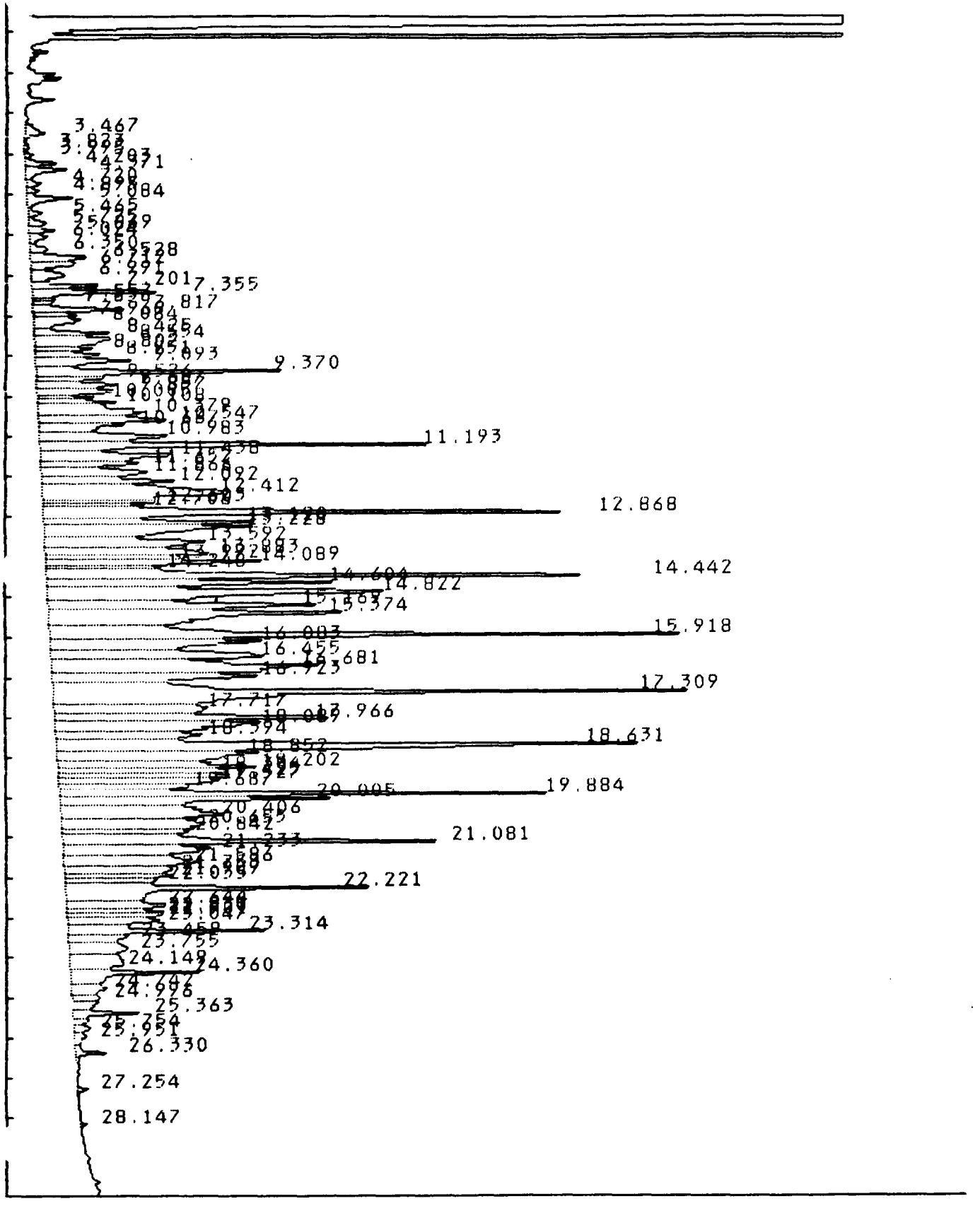
Total Area : 3351367 Total PPB : .047

Report Time : 2137 07Aug1994
Method : /METHOD/FID2061194.MTH
Result File : /RESULT/FID2080794_011.RES

IEA Petroleum Hydrocarbons

2 2 0924

Sample Name : #2 fuel 1000ug/m Inj on 2152 07Aug1994
Result File : /RESULT/FID2080794_012.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons

Sample Name : #2 fuel 1000ug/ml Report No :569.00
Result File : /RESULT/FID2080794_012.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 2152 07Aug1994
Sequence File : /SEQUENCE/FID2080794.SEQ
Subseq/Sample : 1/ 12 Bottle no. : 12

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.47		12079	VV	0.00	
2	3.82		1830	PV	0.00	
3	3.99		3006	PV	0.00	
4	4.20		11980	VV	0.00	
5	4.37		20967	VV	0.00	
6	4.72		6992	VV	0.00	
7	4.90		4974	VV	0.00	
8	5.08		21365	VV	0.00	
9	5.46		6503	VV	0.00	
10	5.72		9467	VV	0.00	
11	5.87		9321	VV	0.00	
12	6.02		10106	VV	0.00	
13	6.35		9779	VV	0.00	
14	6.53		35143	VV	0.00	
15	6.71		18777	VV	0.00	
16	6.99		25560	VV	0.00	
17	7.20		24734	VV	0.00	
18	7.35		50592	VV	0.00	
19	7.56		7317	VV	0.00	
20	7.64		6878	VV	0.00	
21	7.82		36911	VV	0.00	
22	7.97		16459	VV	0.00	
23	8.08	#8.12	34185	VV	.10	1,3-Dichlorobenzene
24	8.42		28321	VV	0.00	
25	8.55		60214	VV	0.00	
26	8.80		21624	VV	0.00	
27	8.95		26682	VV	0.00	
28	9.09		50653	VV	0.00	
29	9.37		97547	VV	0.00	
30	9.53		25900	VV	0.00	
31	9.69		42264	VV	0.00	
32	9.86		33373	VV	0.00	
33	10.00		17518	VV	0.00	
34	10.11		26222	VV	0.00	
35	10.38		82927	VV	0.00	
36	10.55		69072	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0926

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	10.67		57322	VV	0.00	
38	10.98		81132	VV	0.00	
39	11.19		138684	VV	0.00	
40	11.44		92855	VV	0.00	
41	11.65		39762	VV	0.00	
42	11.87		74182	VV	0.00	
43	12.09		65430	VV	0.00	
44	12.41		198078	VV	0.00	
45	12.60		37073	VV	0.00	
46	12.71		24212	VV	0.00	
47	12.87		249503	VV	0.00	
48	13.12		87359	VV	0.00	
49	13.23		158036	VV	0.00	
50	13.59		118019	VV	0.00	
51	13.88		101429	VV	0.00	
52	13.99		36678	VV	0.00	
53	14.09		94965	VV	0.00	
54	14.25		32537	VV	0.00	
55	14.44		249694	VV	0.00	
56	14.60		131657	VV	0.00	
57	14.82		251683	VV	0.00	
58	15.17		141945	VV	0.00	
59	15.37		269774	VV	0.00	
60	15.92		278339	VV	0.00	
61	16.08		151501	VV	0.00	
62	16.46		158098	VV	0.00	
63	16.68		239276	VV	0.00	
4	16.92		115317	VV	0.00	
65	17.31		442570	VV	0.00	
66	17.72		114597	VV	0.00	
67	17.97		133290	VV	0.00	
68	18.09		168090	VV	0.00	
69	18.39		79337	VV	0.00	
70	18.63		321903	VV	0.00	
71	18.85		158035	VV	0.00	
72	19.20		118980	VV	0.00	
73	19.30		61631	VV	0.00	
74	19.42		65848	VV	0.00	
75	19.53		83945	VV	0.00	
76	19.69		61654	VV	0.00	
77	19.88		162753	VV	0.00	
78	20.01		138440	VV	0.00	
79	20.41		160219	VV	0.00	
80	20.65		136049	VV	0.00	
81	20.84		43637	VV	0.00	
82	21.08		182145	VV	0.00	
83	21.23		105927	VV	0.00	
84	21.59		122747	VV	0.00	
85	21.75		56249	VV	0.00	
86	21.91		45756	VV	0.00	
87	22.03		40034	VV	0.00	
88	22.22		182465	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0927

Pk#	RT	ID-tm	Area	Code	PPB	Name
89	22.64		58745	VV	0.00	
0	22.83		35219	VV	0.00	
91	22.90		30968	VV	0.00	
92	23.05		53791	VV	0.00	
93	23.31		85320	VV	0.00	
94	23.46		36940	VV	0.00	
95	23.75		54636	VV	0.00	
96	24.15		66748	VV	0.00	
97	24.36		70197	VV	0.00	
98	24.74		25121	VV	0.00	
99	25.00		14192	VV	0.00	
100	25.36		24720	VV	0.00	
101	25.75		9532	VV	0.00	
102	25.95		8715	VV	0.00	
103	26.33		13551	VV	0.00	
104	27.25		3341	PV	0.00	
105	28.15		1339	PV	0.00	

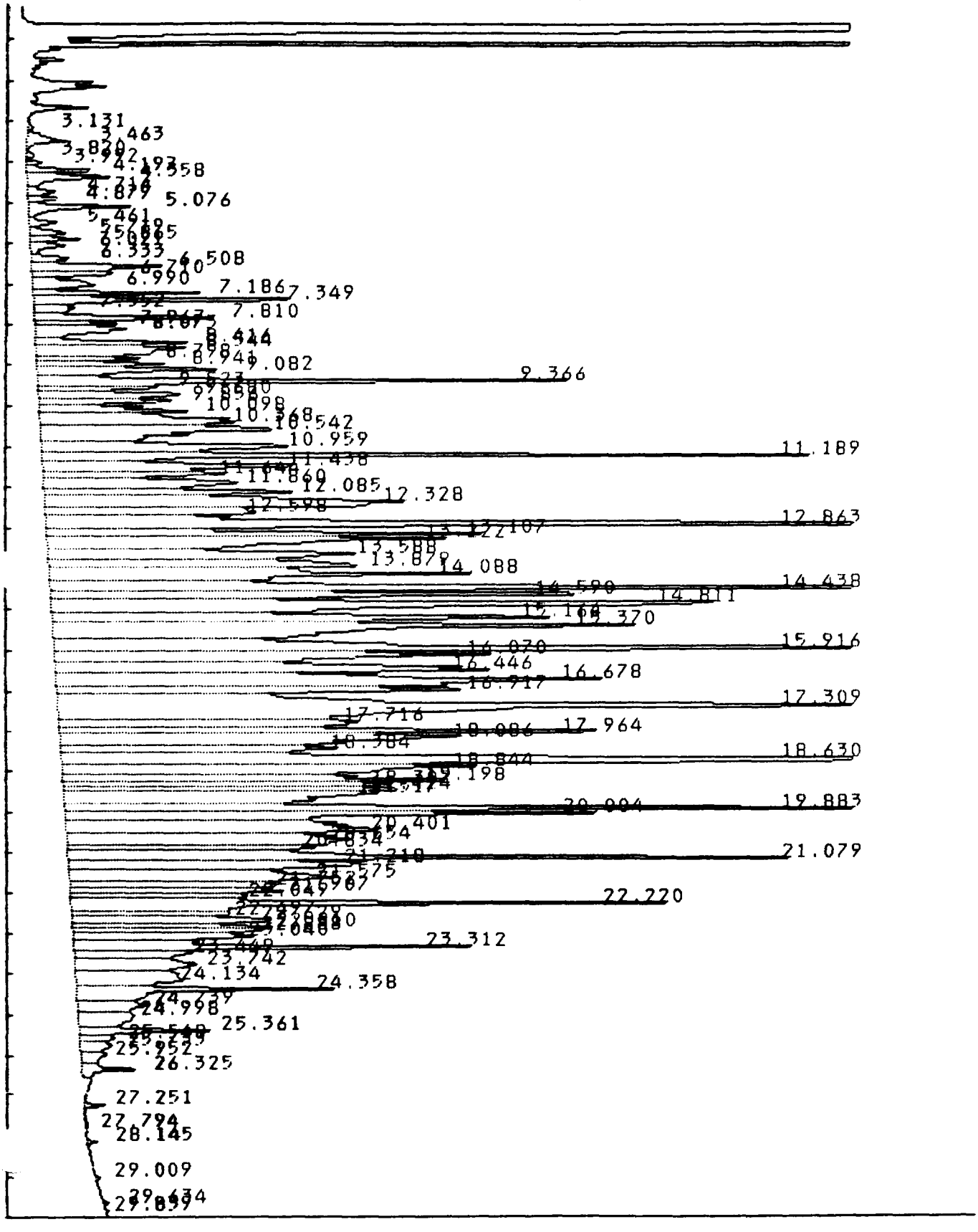
Total Area : 8421160 Total PPB : .099

Report Time : 2223 07Aug1994
Method : /METHOD/FID2061194.MTH
Result File : /RESULT/FID2080794_012.RES

IEA Petroleum Hydrocarbons

2 2 0923

Sample Name : #2 fuel 2000ug/m Inj on 2238 07Aug1994
Result File : /RESULT/FID2080794_013.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons 2 2 0929

Sample Name : #2 fuel 2000ug/ml Report No :570.00
Result File : /RESULT/FID2080794_013.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 2238 07Aug1994
Sequence File : /SEQUENCE/FID2080794.SEQ
Subseq/Sample : 1/ 13 Bottle no. : 13

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.13		1582	BV	0.00	
2	3.46		24283	VV	0.00	
3	3.82		3781	PV	0.00	
4	3.99		6202	PV	0.00	
5	4.20		25779	VV	0.00	
6	4.36		45288	VV	0.00	
7	4.71		13449	VV	0.00	
8	4.88		12031	VV	0.00	
9	5.08		43608	VV	0.00	
0	5.46		11690	VV	0.00	
11	5.72		18407	VV	0.00	
12	5.87		17862	VV	0.00	
13	6.02		17793	VV	0.00	
14	6.33		18165	VV	0.00	
15	6.51		74776	VV	0.00	
16	6.71		31013	VV	0.00	
17	6.99		45229	VV	0.00	
18	7.19		52645	VV	0.00	
19	7.35		96929	VV	0.00	
20	7.55		24679	VV	0.00	
21	7.81		72866	VV	0.00	
22	7.97		28234	VV	0.00	
23	8.07	#8.12	61956	VV	.18	1,3-Dichlorobenzene
24	8.42		57318	VV	0.00	
25	8.54		114140	VV	0.00	
26	8.80		36249	VV	0.00	
27	8.94		51390	VV	0.00	
28	9.08		92447	VV	0.00	
29	9.37		189142	VV	0.00	
30	9.52		41282	VV	0.00	
31	9.68		78672	VV	0.00	
32	9.86		56272	VV	0.00	
33	10.10		78398	VV	0.00	
34	10.37		153957	VV	0.00	
35	10.54		227913	VV	0.00	
6	10.96		164037	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0930

Pk#	RT	ID-tm	Area	Code	PPB	Name
7	11.19		260259	VV	0.00	
8	11.44		166439	VV	0.00	
39	11.64		74269	VV	0.00	
40	11.86		150696	VV	0.00	
41	12.08		106687	VV	0.00	
42	12.33		314383	VV	0.00	
43	12.60		121114	VV	0.00	
44	12.86		527886	VV	0.00	
45	13.11		163044	VV	0.00	
46	13.22		291161	VV	0.00	
47	13.59		204703	VV	0.00	
48	13.88		210606	VV	0.00	
49	14.09		309727	VV	0.00	
50	14.44		482900	VV	0.00	
51	14.59		252111	VV	0.00	
52	14.81		482324	VV	0.00	
53	15.16		270106	VV	0.00	
54	15.37		509572	VV	0.00	
55	15.92		531686	VV	0.00	
56	16.07		286144	VV	0.00	
57	16.45		307030	VV	0.00	
58	16.68		457291	VV	0.00	
59	16.92		218295	VV	0.00	
60	17.31		904548	VV	0.00	
61	17.72		191569	VV	0.00	
62	17.96		250756	VV	0.00	
3	18.09		310420	VV	0.00	
64	18.38		163093	VV	0.00	
65	18.63		623530	VV	0.00	
66	18.84		302715	VV	0.00	
67	19.20		234986	VV	0.00	
68	19.30		114703	VV	0.00	
69	19.42		130094	VV	0.00	
70	19.52		280532	VV	0.00	
71	19.88		328964	VV	0.00	
72	20.00		260248	VV	0.00	
73	20.40		310341	VV	0.00	
74	20.65		278232	VV	0.00	
75	20.83		88954	VV	0.00	
76	21.08		341074	VV	0.00	
77	21.22		205194	VV	0.00	
78	21.58		257301	VV	0.00	
79	21.75		106122	VV	0.00	
80	21.91		90566	VV	0.00	
81	22.05		78830	VV	0.00	
82	22.22		300053	VV	0.00	
83	22.50		52969	VV	0.00	
84	22.63		126169	VV	0.00	
85	22.81		65389	VV	0.00	
86	22.89		78628	VV	0.00	
87	23.04		93390	VV	0.00	
8	23.31		176387	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 09

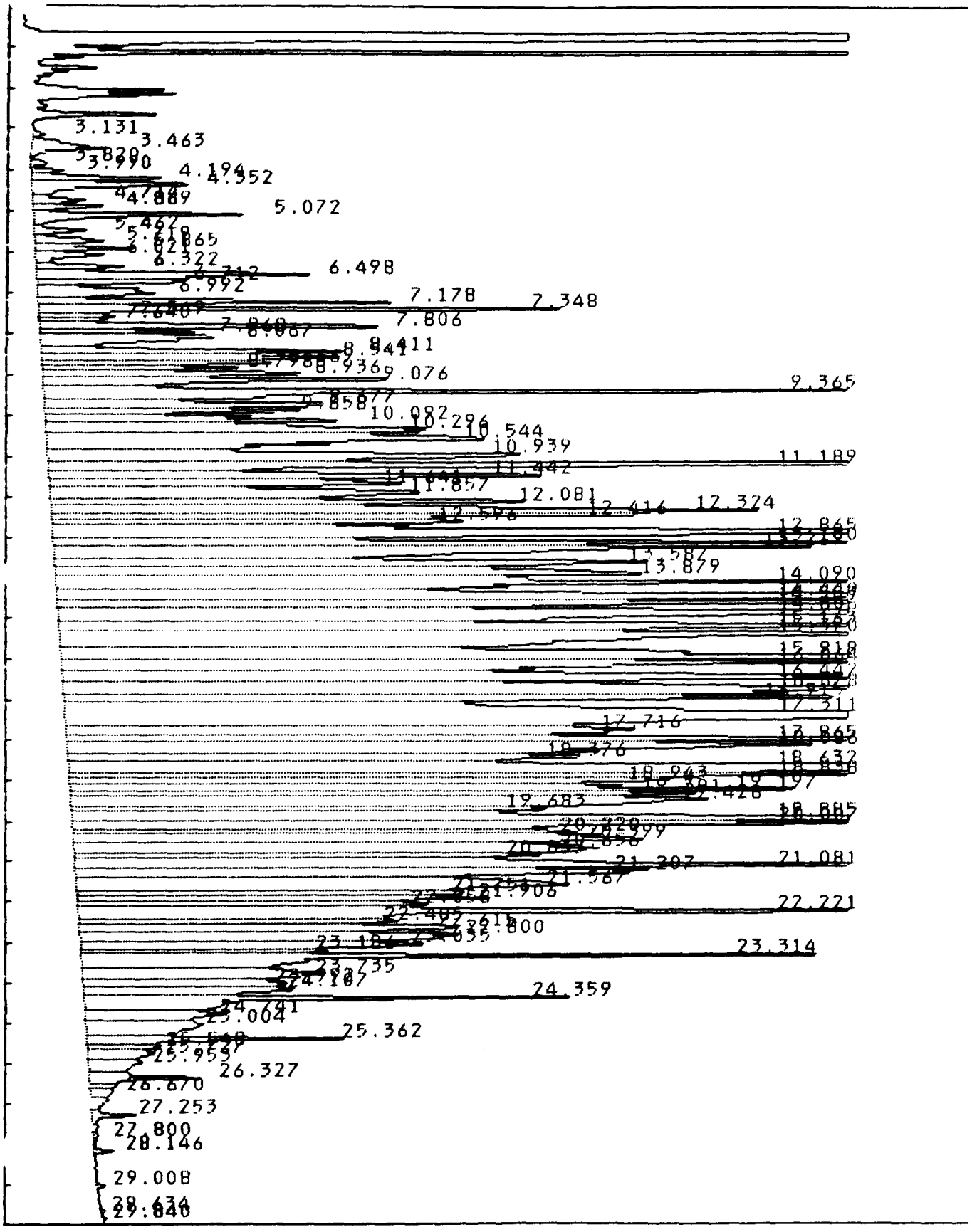
Pk#	RT	ID-tm	Area	Code	PPB	Name
89	23.45		72921	VV	0.00	
90	23.74		113818	VV	0.00	
91	24.13		132424	VV	0.00	
92	24.36		142645	VV	0.00	
93	24.74		51024	VV	0.00	
94	25.00		67944	VV	0.00	
95	25.36		49147	VV	0.00	
96	25.55		16850	VV	0.00	
97	25.73		22744	VV	0.00	
98	25.95		21419	VV	0.00	
99	26.33		31086	VV	0.00	
100	27.25		7293	VV	0.00	
101	27.79		1224	VV	0.00	
102	28.15		2466	PV	0.00	
103	29.01		1573	PV	0.00	
104	29.63		1595	PV	0.00	
105	29.84		1034	VV	0.00	

Total Area : 16270858 Total PPB : .176

Report Time : 2309 07Aug1994
Method : /METHOD/FID2061194.MTH
Result File : /RESULT/FID2080794_013.RES

IEA Petroleum Hydrocarbons 2 2 0932

Sample Name : #2 fuel 4000ug/m Inj on 2324 07Aug1994
Result File : /RESULT/FID2080794_014.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons 2 2 0933

Sample Name : #2 fuel 4000ug/ml Report No :571.00
Result File : /RESULT/FID2080794_014.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 2324 07Aug1994
Sequence File : /SEQUENCE/FID2080794.SEQ
Subseq/Sample : 1/ 14 Bottle no. : 14

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.13		3486	BV	0.00	
2	3.46		48619	VV	0.00	
3	3.82		7887	PV	0.00	
4	3.99		12095	VV	0.00	
5	4.19		54223	VV	0.00	
6	4.35		93062	VV	0.00	
7	4.71		25580	VV	0.00	
8	4.87		24286	VV	0.00	
9	5.07		86868	VV	0.00	
10	5.46		22287	VV	0.00	
11	5.72		36271	VV	0.00	
12	5.87		34974	VV	0.00	
13	6.02		35311	VV	0.00	
14	6.32		37970	VV	0.00	
15	6.50		156237	VV	0.00	
16	6.71		56069	VV	0.00	
17	6.99		88553	VV	0.00	
18	7.18		109430	VV	0.00	
19	7.35		186999	VV	0.00	
20	7.55		26538	VV	0.00	
21	7.64		21901	VV	0.00	
22	7.81		144260	VV	0.00	
23	7.97		51953	VV	0.00	
24	8.07	#8.12	118330	VV	.33	1,3-Dichlorobenzene
25	8.41		122150	VV	0.00	
26	8.54		134695	VV	0.00	
27	8.67		86460	VV	0.00	
28	8.80		64683	VV	0.00	
29	8.94		103561	VV	0.00	
30	9.08		179568	VV	0.00	
31	9.37		443378	VV	0.00	
32	9.68		157131	VV	0.00	
33	9.86		107727	VV	0.00	
34	10.09		157135	VV	0.00	
35	10.30		300127	VV	0.00	
36	10.54		412142	VV	0.00	

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	10.94		355316	VV	0.00	
38	11.19		487618	VV	0.00	
39	11.44		255703	VV	0.00	
40	11.64		203388	VV	0.00	
41	11.86		292569	VV	0.00	
42	12.08		204586	VV	0.00	
43	12.32		398148	VV	0.00	
44	12.42		302439	VV	0.00	
45	12.60		127846	VV	0.00	
46	12.86		1009312	VV	0.00	
47	13.10		304161	VV	0.00	
48	13.22		564912	VV	0.00	
49	13.59		368616	VV	0.00	
50	13.88		413568	VV	0.00	
51	14.09		579643	VV	0.00	
52	14.44		891229	VV	0.00	
53	14.58		489428	VV	0.00	
54	14.81		888801	VV	0.00	
55	15.16		522024	VV	0.00	
56	15.37		956959	VV	0.00	
57	15.92		991359	VV	0.00	
58	16.06		539545	VV	0.00	
59	16.44		583850	VV	0.00	
60	16.68		855240	VV	0.00	
61	16.91		414535	VV	0.00	
62	17.31		1673130	VV	0.00	
63	17.72		361219	VV	0.00	
64	17.96		483108	VV	0.00	
65	18.09		606275	VV	0.00	
66	18.38		281277	VV	0.00	
67	18.63		1156647	VV	0.00	
68	18.84		275120	VV	0.00	
69	18.94		300764	VV	0.00	
70	19.20		435915	VV	0.00	
71	19.30		215254	VV	0.00	
72	19.43		559489	VV	0.00	
73	19.68		188123	VV	0.00	
74	19.89		645014	VV	0.00	
75	20.01		496443	VV	0.00	
76	20.22		138765	VV	0.00	
77	20.40		429176	VV	0.00	
78	20.66		523357	VV	0.00	
79	20.83		155592	VV	0.00	
80	21.08		634616	VV	0.00	
81	21.21		393119	VV	0.00	
82	21.57		501389	VV	0.00	
83	21.75		188145	VV	0.00	
84	21.91		175271	VV	0.00	
85	22.06		149254	VV	0.00	
86	22.22		569341	VV	0.00	
87	22.49		97321	VV	0.00	
88	22.61		228898	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0935

Pk#	RT	ID-tm	Area	Code	PPB	Name
79	22.80		287621	VV	0.00	
0	23.03		178014	VV	0.00	
91	23.19		84499	VV	0.00	
92	23.31		401817	VV	0.00	
93	23.74		212098	VV	0.00	
94	23.99		117352	VV	0.00	
95	24.11		137947	VV	0.00	
96	24.36		279084	VV	0.00	
97	24.74		105162	VV	0.00	
98	25.00		141579	VV	0.00	
99	25.36		101385	VV	0.00	
100	25.55		34245	VV	0.00	
101	25.73		52935	VV	0.00	
102	25.95		46136	VV	0.00	
103	26.33		58328	VV	0.00	
104	26.67		16507	VV	0.00	
105	27.25		18964	VV	0.00	
106	27.80		3981	VV	0.00	
107	28.15		5338	VV	0.00	
108	29.01		2418	PV	0.00	
109	29.63		1491	PV	0.00	
110	29.84		1319	PV	0.00	

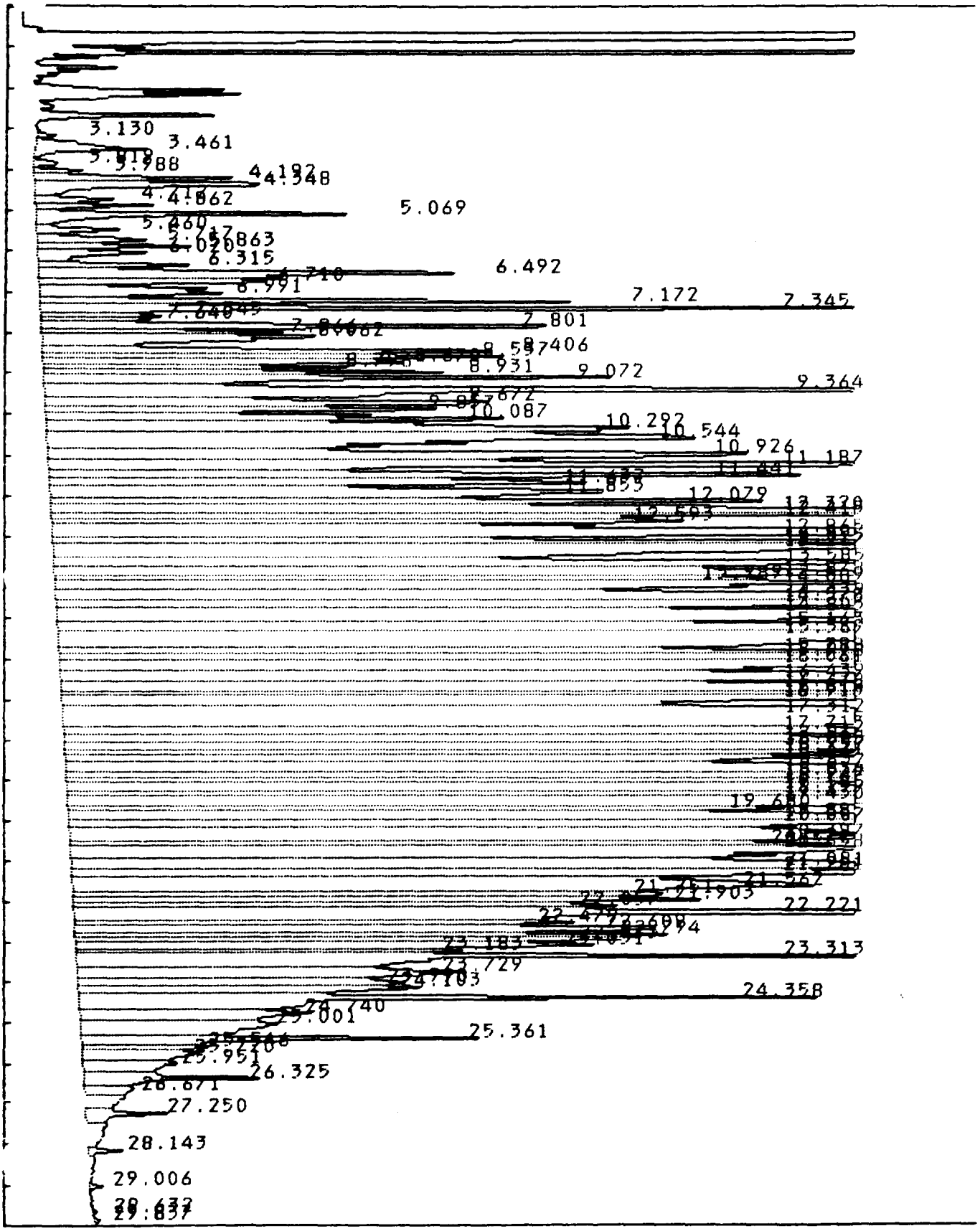
Total Area : 30902996 Total PPB : .332

port Time : 2355 07Aug1994
method : /METHOD/FID2061194.MTH
Result File : /RESULT/FID2080794_014.RES

IEA Petroleum Hydrocarbons

2 2 0936

Sample Name : #2 fuel 5000ug/m Inj on 0010 08Aug1994
Result File : /RESULT/FID2080794_015.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons 2 2 0937

Sample Name : #2 fuel 5000ug/ml Report No :572.00
Result File : /RESULT/FID2080794_015.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 0010 08Aug1994
Sequence File : /SEQUENCE/FID2080794.SEQ
Subseq/Sample : 1/ 15 Bottle no. : 15

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.13		5129	BV	0.00	
2	3.46		70092	VV	0.00	
3	3.82		11489	PV	0.00	
4	3.99		17090	VV	0.00	
5	4.19		80499	VV	0.00	
6	4.35		138586	VV	0.00	
7	4.71		35778	VV	0.00	
8	4.86		38189	VV	0.00	
9	5.07		130926	VV	0.00	
0	5.46		35089	VV	0.00	
11	5.72		58010	VV	0.00	
12	5.86		55253	VV	0.00	
13	6.02		59832	VV	0.00	
14	6.31		64385	VV	0.00	
15	6.49		243552	VV	0.00	
16	6.71		83908	VV	0.00	
17	6.99		138072	VV	0.00	
18	7.17		171657	VV	0.00	
19	7.35		281509	VV	0.00	
20	7.55		41064	VV	0.00	
21	7.64		34949	VV	0.00	
22	7.80		219456	VV	0.00	
23	7.97		78302	VV	0.00	
24	8.06	#8.12	187222	VV	.52	1,3-Dichlorobenzene
25	8.41		206242	VV	0.00	
26	8.54		187085	VV	0.00	
27	8.67		133883	VV	0.00	
28	8.80		95679	VV	0.00	
29	8.93		162345	VV	0.00	
30	9.07		275038	VV	0.00	
31	9.36		668215	VV	0.00	
32	9.67		242082	VV	0.00	
33	9.86		162190	VV	0.00	
34	10.09		238394	VV	0.00	
35	10.29		452478	VV	0.00	
36	10.54		611110	VV	0.00	

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	10.93		525704	VV	0.00	
8	11.19		731128	VV	0.00	
39	11.44		383368	VV	0.00	
40	11.64		303041	VV	0.00	
41	11.85		444826	VV	0.00	
42	12.08		305047	VV	0.00	
43	12.32		601365	VV	0.00	
44	12.42		429037	VV	0.00	
45	12.59		205123	VV	0.00	
46	12.86		1499901	VV	0.00	
47	13.09		445832	VV	0.00	
48	13.22		824138	VV	0.00	
49	13.58		544123	VV	0.00	
50	13.88		627089	VV	0.00	
51	13.99		195133	VV	0.00	
52	14.09		669485	VV	0.00	
53	14.44		1297106	VV	0.00	
54	14.58		742227	VV	0.00	
55	14.80		1313885	VV	0.00	
56	15.16		764748	VV	0.00	
57	15.37		1432729	VV	0.00	
58	15.79		389498	VV	0.00	
59	15.92		1064785	VV	0.00	
60	16.06		802368	VV	0.00	
61	16.44		862298	VV	0.00	
62	16.68		956891	VV	0.00	
3	16.81		314063	VV	0.00	
64	16.91		718101	VV	0.00	
65	17.31		2364266	VV	0.00	
66	17.71		532125	VV	0.00	
67	17.96		718580	VV	0.00	
68	18.09		611997	VV	0.00	
69	18.25		254849	VV	0.00	
70	18.37		460304	VV	0.00	
71	18.63		1711170	VV	0.00	
72	18.83		417245	VV	0.00	
73	18.95		428068	VV	0.00	
74	19.20		660955	VV	0.00	
75	19.30		325478	VV	0.00	
76	19.43		824105	VV	0.00	
77	19.68		269681	VV	0.00	
78	19.89		970353	VV	0.00	
79	20.01		715874	VV	0.00	
80	20.40		857194	VV	0.00	
81	20.57		305498	VV	0.00	
82	20.66		724404	VV	0.00	
83	21.08		946461	VV	0.00	
84	21.20		575493	VV	0.00	
85	21.56		777426	VV	0.00	
86	21.75		277864	VV	0.00	
87	21.90		256741	VV	0.00	
88	22.06		242784	VV	0.00	

IEA Petroleum Hydrocarbons 2 2 0939

Pk#	RT	ID-tm	Area	Code	PPB	Name
89	22.22		824852	VV	0.00	
90	22.48		167479	VV	0.00	
1	22.61		343444	VV	0.00	
92	22.79		205634	VV	0.00	
93	22.87		240455	VV	0.00	
94	23.03		267936	VV	0.00	
95	23.18		131184	VV	0.00	
96	23.31		604512	VV	0.00	
97	23.73		327313	VV	0.00	
98	23.99		181125	VV	0.00	
99	24.10		223172	VV	0.00	
100	24.36		438506	VV	0.00	
101	24.74		170673	VV	0.00	
102	25.00		230560	VV	0.00	
103	25.36		160100	VV	0.00	
104	25.55		55050	VV	0.00	
105	25.72		89943	VV	0.00	
106	25.95		84088	VV	0.00	
107	26.32		125457	VV	0.00	
108	26.67		35155	VV	0.00	
109	27.25		44073	VV	0.00	
110	28.14		12597	VV	0.00	
111	29.01		3889	VV	0.00	
112	29.63		1391	PV	0.00	
113	29.84		1683	PV	0.00	

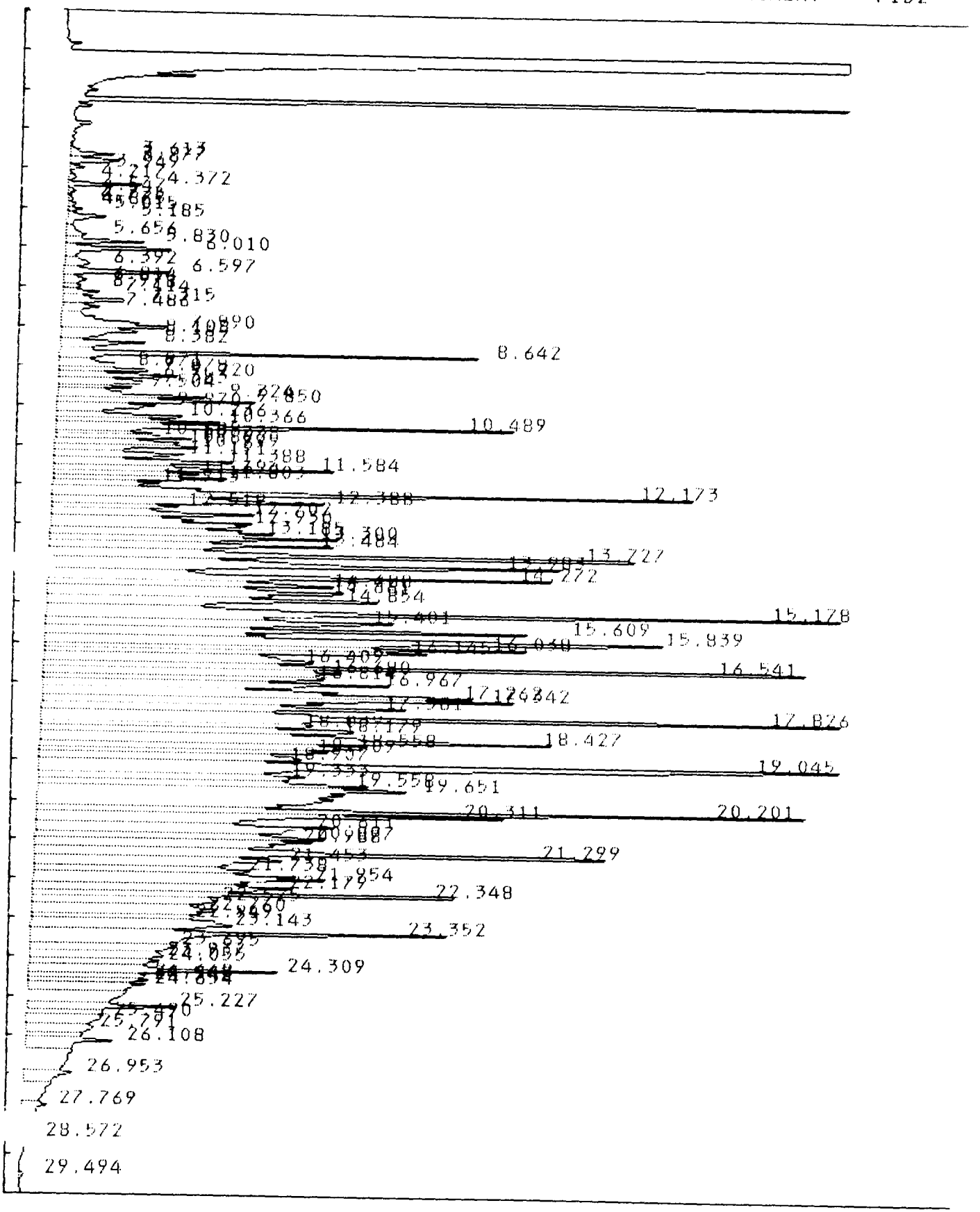
tal Area : 46307008 Total PPB : .522

Report Time : 0041 08Aug1994
Method : /METHOD/FID2061194.MTH
Result File : /RESULT/FID2080794_015.RES

IEA Petroleum Hydrocarbons

2 2 0940

Sample Name : #2 FUEL Inj on 1647 07Mar1995
Result File : /RESULT/FID2030795_001.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons

Sample Name : #2 FUEL Report No :100.00
Result File : /RESULT/FID2030795_001.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 1647 07Mar1995
Sequence File : /SEQUENCE/FID2030795.SEQ
Subseq/Sample : 1/ 1 Bottle no. : 1

1800
90%

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.61		17581	VV	0.00	
2	3.78		21002	VV	0.00	
3	3.95		5019	VV	0.00	
4	4.22		3527	PV	0.00	
5	4.37		20805	VV	0.00	
6	4.55		2740	VV	0.00	
7	4.77		2279	VV	0.00	
8	4.88		3308	VV	0.00	
9	5.01		5024	VV	0.00	
10	5.19		21039	VV	0.00	
11	5.66		13746	VV	0.00	
12	5.83		29084	VV	0.00	
13	6.01		46025	VV	0.00	
14	6.39		18481	VV	0.00	
15	6.60		46230	VV	0.00	
16	6.81		14581	VV	0.00	
17	6.98		8065	VV	0.00	
18	7.11		13303	VV	0.00	
19	7.31		36429	VV	0.00	
20	7.49		22247	VV	0.00	
21	7.99		92893	VV	0.00	
22	8.11		50327	VV	0.00	
23	8.38		47428	VV	0.00	
24	8.64		126690	VV	0.00	
25	8.97	#8.92	38972	VV	.11	1,3-Dichlorobenzene
26	9.08		36797	VV	0.00	
27	9.22		52139	VV	0.00	
28	9.38		48469	VV	0.00	
29	9.50		25062	VV	0.00	
30	9.72		73113	VV	0.00	
31	9.85		82101	VV	0.00	
32	9.97		62848	VV	0.00	
33	10.24		65913	VV	0.00	
34	10.37		51633	VV	0.00	
35	10.49		163517	VV	0.00	
36	10.69		35665	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0942

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	10.78		48088	VV	0.00	
38	10.89		52231	VV	0.00	
39	11.00		63638	VV	0.00	
40	11.19		78126	VV	0.00	
41	11.39		95501	VV	0.00	
42	11.58		125825	VV	0.00	
43	11.69		49465	VV	0.00	
44	11.80		67615	VV	0.00	
45	11.91		49877	VV	0.00	
46	12.17		281148	VV	0.00	
47	12.39		148396	VV	0.00	
48	12.52		48259	VV	0.00	
49	12.70		110676	VV	0.00	
50	12.93		185007	VV	0.00	
51	13.19		136742	VV	0.00	
52	13.30		140369	VV	0.00	
53	13.48		154399	VV	0.00	
54	13.73		272413	VV	0.00	
55	13.98		332470	VV	0.00	
56	14.27		261484	VV	0.00	
57	14.49		156647	VV	0.00	
58	14.66		240080	VV	0.00	
59	14.85		208645	VV	0.00	
60	15.18		421201	VV	0.00	
61	15.40		225344	VV	0.00	
62	15.61		250164	VV	0.00	
63	15.84		385275	VV	0.00	
64	16.04		153207	VV	0.00	
65	16.15		181920	VV	0.00	
66	16.41		212975	VV	0.00	
67	16.54		302410	VV	0.00	
68	16.68		192648	VV	0.00	
69	16.81		110259	VV	0.00	
70	16.97		209756	VV	0.00	
71	17.26		267793	VV	0.00	
72	17.34		272617	VV	0.00	
73	17.58		179253	VV	0.00	
74	17.83		490748	VV	0.00	
75	18.04		122771	VV	0.00	
76	18.18		181677	VV	0.00	
77	18.43		361244	VV	0.00	
78	18.56		194706	VV	0.00	
79	18.71		123119	VV	0.00	
80	18.91		170511	VV	0.00	
81	19.04		549303	VV	0.00	
82	19.33		156706	VV	0.00	
83	19.56		185065	VV	0.00	
84	19.65		589315	VV	0.00	
85	20.20		273454	VV	0.00	
86	20.31		309190	VV	0.00	
87	20.61		256386	VV	0.00	
88	20.90		143606	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0943

Pk#	RT	ID-tm	Area	Code	PPB	Name
99	20.99		201774	VV	0.00	
0	21.30		322625	VV	0.00	
91	21.45		233062	VV	0.00	
92	21.74		119025	VV	0.00	
93	21.95		276256	VV	0.00	
94	22.18		150463	VV	0.00	
95	22.35		184104	VV	0.00	
96	22.53		142929	VV	0.00	
97	22.76		177374	VV	0.00	
98	22.95		61246	VV	0.00	
99	23.14		192328	VV	0.00	
100	23.35		284426	VV	0.00	
101	23.69		110259	VV	0.00	
102	23.94		85148	VV	0.00	
103	24.05		83402	VV	0.00	
104	24.31		134015	VV	0.00	
105	24.45		47017	VV	0.00	
106	24.54		47702	VV	0.00	
107	24.65		92377	VV	0.00	
108	25.23		78056	VV	0.00	
109	25.49		71191	VV	0.00	
110	25.79		58200	VV	0.00	
111	26.11		70221	VV	0.00	
112	26.95		43643	VV	0.00	
113	27.77		32568	VV	0.00	
114	28.57		5907	VV	0.00	
5	29.49		2310	PV	0.00	

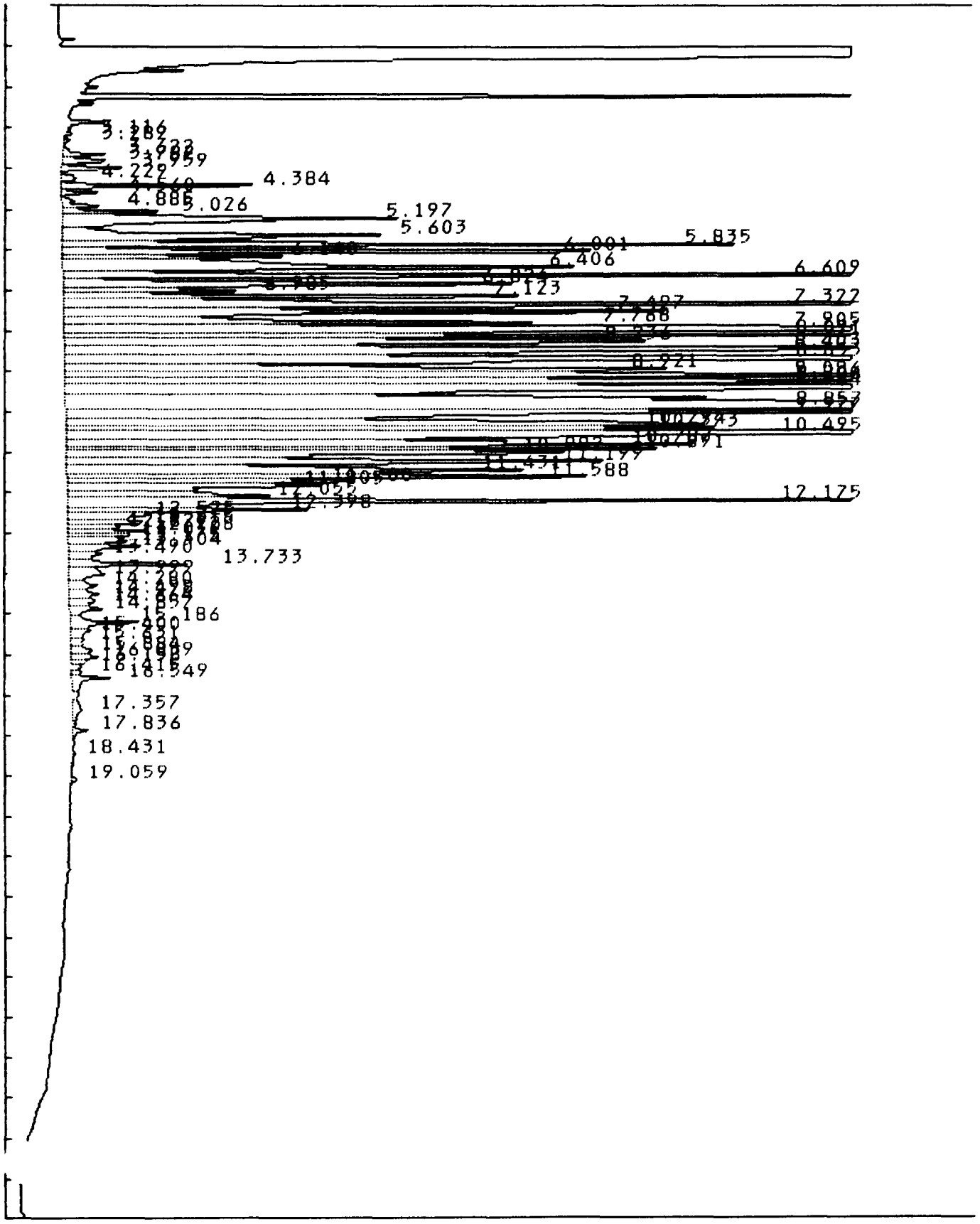
Total Area : 15491440 Total PPB : .112

Report Time : 1718 07Mar1995
Method : /METHOD/FID2080794.MTH
Result File : /RESULT/FID2030795_001.RES

IEA Petroleum Hydrocarbons

2 2 0944

Sample Name : VARSOL Inj on 1728 07Mar1995
Result File : /RESULT/FID2030795_002.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons

Sample Name : VARSOL
sult File : /RESULT/FID2030795_002.RES
olumn Type : RTX-5 30 Meter,0.53mm ID
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 1728 07Mar1995
Sequence File : /SEQUENCE/FID2030795.SEQ
Subseq/Sample : 1/ 2 Bottle no. : 2

Report No :101.01
Inj. Vol. : 1 ul

% Dil-Fact
100.00

1800 9090

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.12		1233	BV	0.00	
2	3.28		1673	PV	0.00	
3	3.62		15279	PV	0.00	
4	3.78		19459	VV	0.00	
5	3.96		18959	VV	0.00	
6	4.23		8269	PV	0.00	
7	4.38		62768	VV	0.00	
8	4.56		10573	VV	0.00	
9	4.89		17312	VV	0.00	
10	5.03		32518	VV	0.00	
11	5.20		187665	VV	0.00	
12	5.60		179939	VV	0.00	
13	5.84		190229	VV	0.00	
14	6.00		187731	VV	0.00	
15	6.14		70601	VV	0.00	
16	6.41		316371	VV	0.00	
17	6.61		544236	VV	0.00	
18	6.82		214031	VV	0.00	
19	6.98		59423	VV	0.00	
20	7.12		157478	VV	0.00	
21	7.32		455266	VV	0.00	
22	7.50		276943	VV	0.00	
23	7.77		200158	VV	0.00	
24	7.90		727650	VV	0.00	
25	8.09		276209	VV	0.00	
26	8.24		315427	VV	0.00	
27	8.40		517211	VV	0.00	
28	8.65		1572060	VV	0.00	
29	8.92	#8.92	277403	VV	.77	1,3-Dichlorobenzene
30	9.09		555699	VV	0.00	
31	9.21		348996	VV	0.00	
32	9.36		698241	VV	0.00	
33	9.86		1271164	VV	0.00	
34	9.98		480935	VV	0.00	
35	10.29		386873	VV	0.00	
36	10.37		209986	VV	0.00	

IEA Petroleum Hydrocarbons 2 2 0946

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	10.50		1307455	VV	0.00	
38	10.79		328815	VV	0.00	
39	10.89		178309	VV	0.00	
40	10.98		248283	VV	0.00	
41	11.20		259199	VV	0.00	
42	11.43		299981	VV	0.00	
43	11.59		184732	VV	0.00	
44	11.70		96913	VV	0.00	
45	11.81		133598	VV	0.00	
46	12.05		96115	VV	0.00	
47	12.18		340200	VV	0.00	
48	12.40		85680	VV	0.00	
49	12.53		45068	VV	0.00	
50	12.71		32832	VV	0.00	
51	12.83		17953	VV	0.00	
52	12.93		25081	VV	0.00	
53	13.02		21211	VV	0.00	
54	13.18		32730	VV	0.00	
55	13.30		34272	VV	0.00	
56	13.49		18682	VV	0.00	
57	13.73		47905	VV	0.00	
58	14.00		32070	VV	0.00	
59	14.28		20096	VV	0.00	
60	14.50		19754	VV	0.00	
61	14.66		15281	VV	0.00	
62	14.86		16688	VV	0.00	
63	15.19		36451	VV	0.00	
64	15.40		11914	VV	0.00	
65	15.63		9552	VV	0.00	
66	15.88		11883	VV	0.00	
67	16.04		13046	VV	0.00	
68	16.16		5941	VV	0.00	
69	16.41		3659	VV	0.00	
70	16.55		22987	VV	0.00	
71	17.36		12287	VV	0.00	
72	17.84		5818	VV	0.00	
73	18.43		1791	BB	0.00	
74	19.06		2471	BB	0.00	

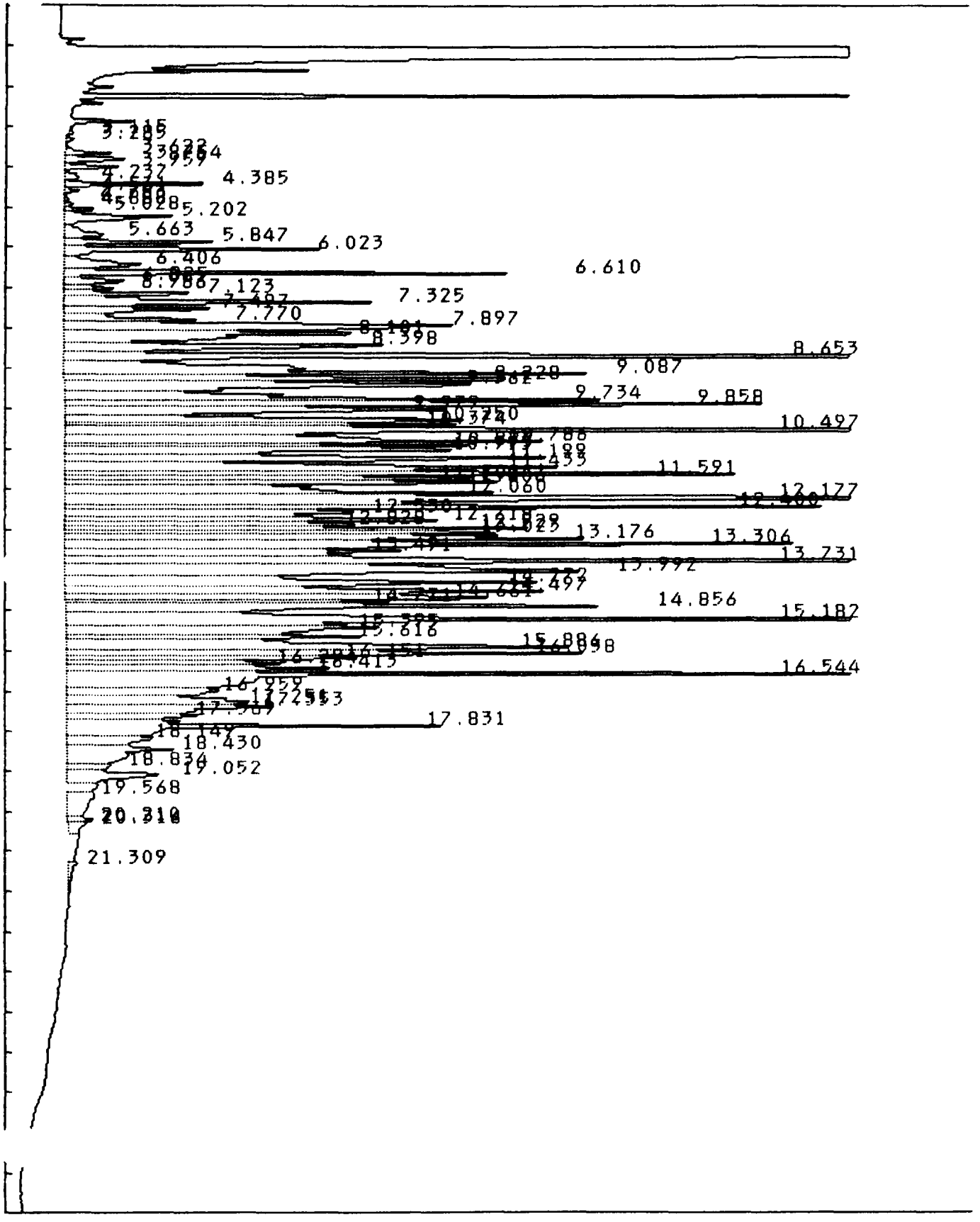
Total Area : 14942668 Total PPB : .772

Report Time : 1411 16Mar1995
Method : /METHOD/FID2080794.MTH
Result File : /RESULT/FID2030795_002.RES

IEA Petroleum Hydrocarbons

2 2 0947

Sample Name : KEROSENE Inj on 1809 07Mar1995
Result File : /RESULT/FID2030795_003.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons 2 2 0948

Sample Name : KEROSENE Report No :102.01
Result File : /RESULT/FID2030795_003.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 1809 07Mar1995
Sequence File : /SEQUENCE/FID2030795.SEQ
Subseq/Sample : 1/ 3 Bottle no. : 3

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline
NoReference

1700 85%

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.12		1119	BV	0.00	
2	3.28		2280	PV	0.00	
3	3.62		16824	VV	0.00	
4	3.75		24712	VV	0.00	
5	3.96		17351	VV	0.00	
6	4.24		8466	PV	0.00	
7	4.39		47745	VV	0.00	
8	4.56		4727	VV	0.00	
9	4.78		2024	VV	0.00	
10	4.89		3359	VV	0.00	
11	5.03		10133	VV	0.00	
12	5.20		55629	VV	0.00	
13	5.66		29632	VV	0.00	
14	5.85		49700	VV	0.00	
15	6.02		86488	VV	0.00	
16	6.41		49050	VV	0.00	
17	6.61		147620	VV	0.00	
18	6.82		32554	VV	0.00	
19	6.99		18360	VV	0.00	
20	7.12		43232	VV	0.00	
21	7.32		130257	VV	0.00	
22	7.50		73070	VV	0.00	
23	7.77		51944	VV	0.00	
24	7.90		258008	VV	0.00	
25	8.10		194390	VV	0.00	
26	8.40		174339	VV	0.00	
27	8.65		631539	VV	0.00	
28	9.09		325009	VV	0.00	
29	9.23		191181	VV	0.00	
30	9.36		266803	VV	0.00	
31	9.73		246797	VV	0.00	
32	9.86		294492	VV	0.00	
33	9.98		217173	VV	0.00	
34	10.25		211152	VV	0.00	
35	10.37		119251	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0947

Pk#	RT	ID-tm	Area	Code	PPB	Name
36	10.50		704538	VV	0.00	
37	10.79		271364	VV	0.00	
38	10.89		124421	VV	0.00	
39	10.99		205474	VV	0.00	
40	11.20		235717	VV	0.00	
41	11.43		326456	VV	0.00	
42	11.59		236934	VV	0.00	
43	11.70		138128	VV	0.00	
44	11.81		174198	VV	0.00	
45	12.06		250462	VV	0.00	
46	12.18		834912	VV	0.00	
47	12.40		266987	VV	0.00	
48	12.53		159530	VV	0.00	
49	12.72		166094	VV	0.00	
50	12.83		101188	VV	0.00	
51	12.93		153396	VV	0.00	
52	13.02		144164	VV	0.00	
53	13.18		267463	VV	0.00	
54	13.31		356359	VV	0.00	
55	13.49		200278	VV	0.00	
56	13.73		638119	VV	0.00	
57	13.99		451528	VV	0.00	
58	14.27		305584	VV	0.00	
59	14.50		221924	VV	0.00	
60	14.66		252311	VV	0.00	
61	14.77		86093	VV	0.00	
62	14.86		278170	VV	0.00	
63	15.18		617848	VV	0.00	
64	15.40		218558	VV	0.00	
65	15.62		121917	VV	0.00	
66	15.89		317066	VV	0.00	
67	16.04		230666	VV	0.00	
68	16.15		126189	VV	0.00	
69	16.29		85514	VV	0.00	
70	16.41		105814	VV	0.00	
71	16.54		463315	VV	0.00	
72	16.96		108434	VV	0.00	
73	17.25		130827	VV	0.00	
74	17.35		129350	VV	0.00	
75	17.57		65729	VV	0.00	
76	17.83		225728	VV	0.00	
77	18.15		59363	VV	0.00	
78	18.43		122425	VV	0.00	
79	18.83		28129	VV	0.00	
80	19.05		70877	VV	0.00	
81	19.57		51325	VV	0.00	
82	20.21		12623	VV	0.00	
83	20.32		15853	VV	0.00	
84	21.31		11993	VV	0.00	

Total Area : 14907752 Total PPB : 0.000

Report Time : 1419 16Mar1995
Method : /METHOD/FID2080794.MTH

IEA Petroleum Hydrocarbons

Results File : /RESULT/FID2030795.003.RES

IEA Petroleum Hydrocarbons 2 2 0950

Sample Name : SURR STD Report No :103.01
Result File : /RESULT/FID2030795_004.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 1932 07Mar1995
Sequence File : /SEQUENCE/FID2030795.SEQ
Subseq/Sample : 1/ 4 Bottle no. : 4

% Dil-Fact
100.00

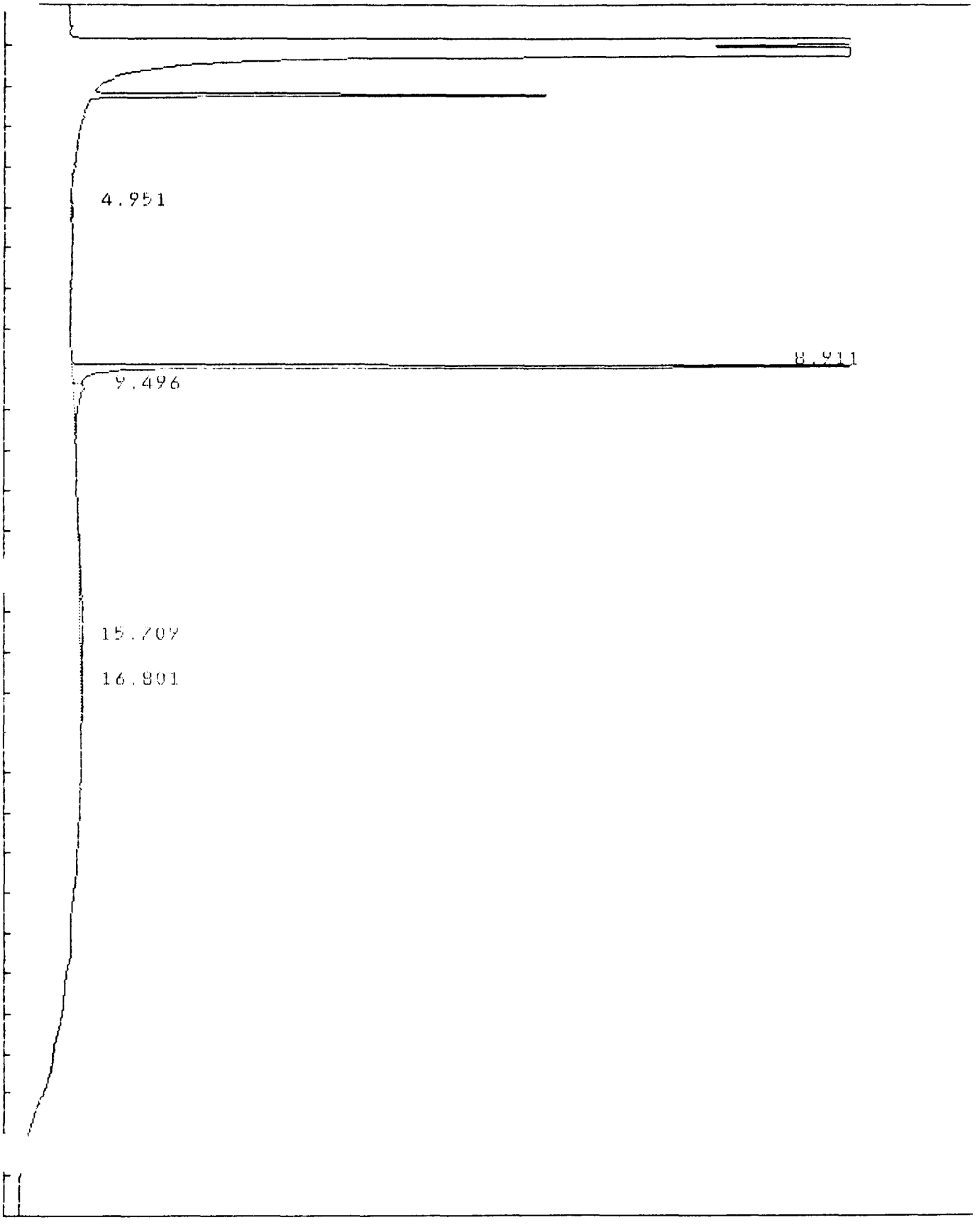
Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	4.95		2561	BV	0.00	
2	8.91	#8.92	428639	BV	1.19	1,3-Dichlorobenzene
3	9.50		21609	VV	0.00	
4	15.71		25620	BV	0.00	
5	16.80		7389	VB	0.00	

Total Area : 485818 Total PPB : 1.190

Report Time : 0850 09Mar1995
Method : /METHOD/FID2080/94.MTH
Result File : /RESULT/FID2030795_004.RES

Sample Name : SURR STD Inj on 1932 07Mar1995
Result File : /RESULT/FID2030795_004.RES INSTRUMENT : FID2



1A

2 2 0931

CLIENT SAMPLE NO.

SW-846 PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

PHCB772

Lab Name: INDUSTRIAL & ENVIRONMENTAL ANALYSTS

Lab Code: IEA Case No.: 2041-001(1) Method: 8015 Modified SDG No.: 03100

Matrix: (soil/water) WATER Lab Sample ID: PHCB772

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FID2030795_006.D

% Moisture: _____ Date Received: / /

GC Column: RTX-5 Date Analyzed: 03/07/95

ID: 0.53 Dilution Factor: 1.0

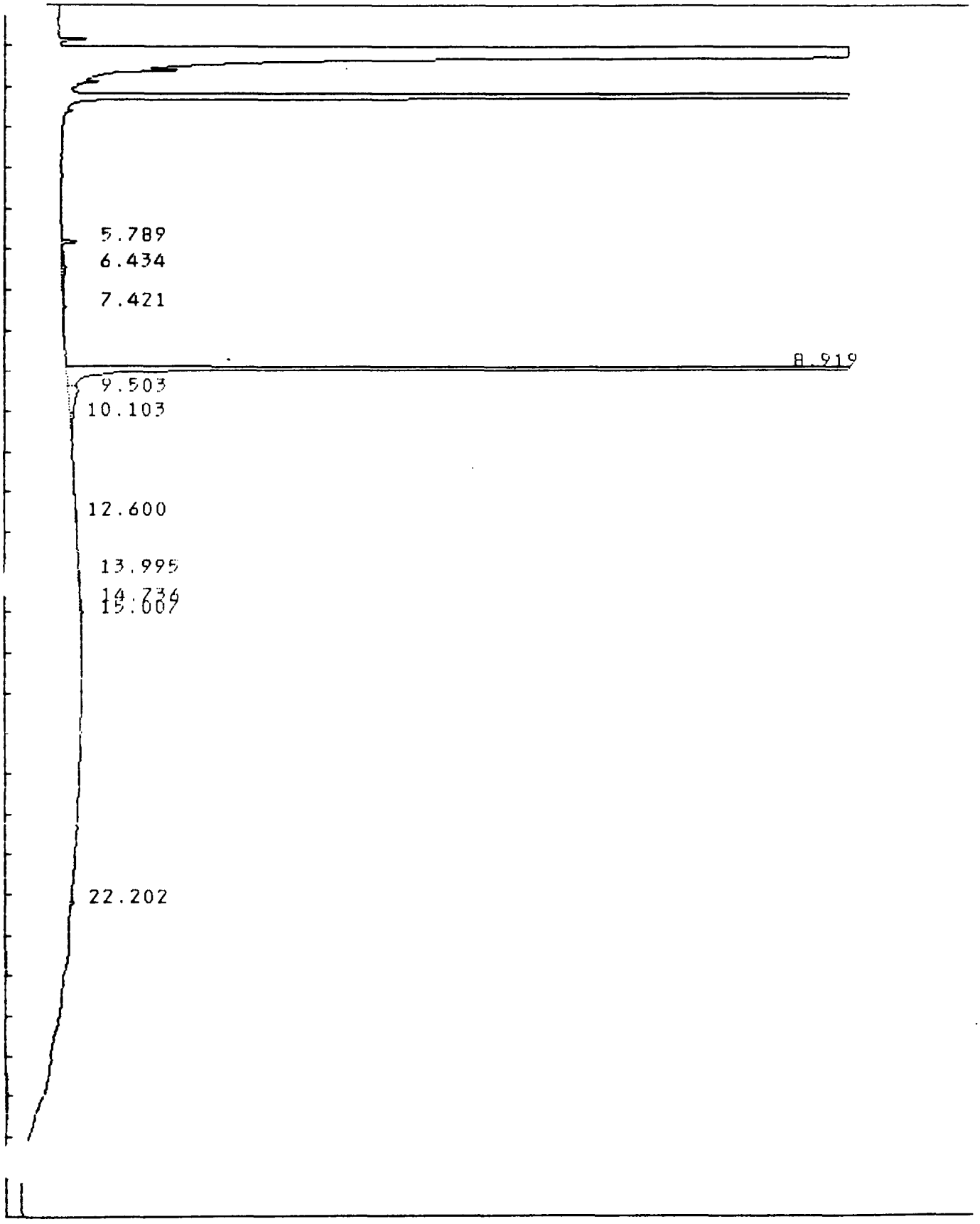
Concentrated Extract Volume: 1000(uL) Date Extracted: 03/07/95

COMPOUND	MDL	CRQL	RESULTS MG/L	Q
----------Kerosene	0.12	0.50	0.50	U
----------#2-Fuel Oil	0.023	0.50	0.50	U
----------Varsol	0.057	0.50	0.50	U

IEA Petroleum Hydrocarbons

2 2 0955

Sample Name : PHCB 772 Inj on 2059 07Mar1995
Result File : /RESULT/FID2030795_006.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons

2 2 0954

Sample Name : PHCB 772 Report No :105.00
Result File : /RESULT/F1D2030795_006.RES
lumn Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
..strument : F1D2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 2059 0/Mar1995
Sequence File : /SEQUENCE/F1D2030795.SEQ
Subseq/Sample : 1/ 6 Bottle no. : 6

% Dil-Fact
100.00

Run Status : RunStatusUK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	5.79		3888	BV	0.00	
2	6.43		5028	VV	0.00	
3	7.42		2033	VB	0.00	
4	8.92	#8.92	402556	PV	1.12	1,3-Dichlorobenzene
5	9.50		17895	VV	0.00	
6	10.10		3685	VB	0.00	
7	12.60		1252	BV	0.00	
8	14.00		1251	VV	0.00	
9	14.74		2611	VV	0.00	
10	15.01		1077	VB	0.00	
11	22.20		1063	BB	0.00	

Total Area : 442338 Total PPB : 1.118

Report Time : 2130 0/Mar1995
Method : /METHOD/F1D2080794.MTH
Result File : /RESULT/F1D2030795_006.RES

1A 2 2 0955

CLIENT SAMPLE NO.

SW-846 PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

LCS772

Lab Name: INDUSTRIAL & ENVIRONMENTAL ANALYSTS

Lab Code: IEA Case No.: 2041-001(1) Method: 8015 Modified SDG No.: 03100

Matrix: (soil/water) WATER Lab Sample ID: LCS772

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FID2030795_007.D

% Moisture: _____ Date Received: / /

GC Column: RTX-5 Date Analyzed: 03/07/95

ID: 0.53 Dilution Factor: 1.0

Concentrated Extract Volume: 1000(uL) Date Extracted:03/07/95

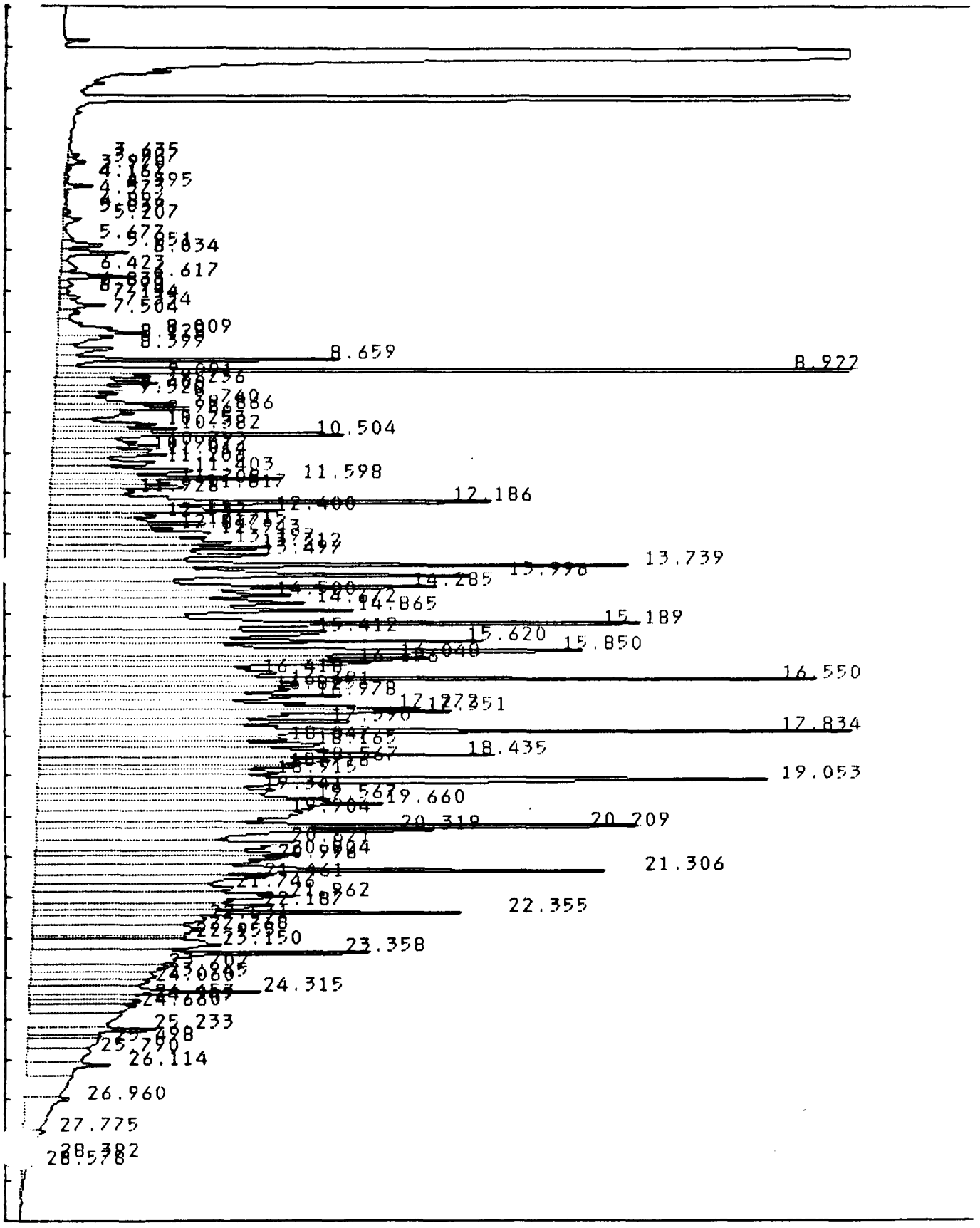
COMPOUND	MDL	CRQL	RESULTS MG/L	Q
----------Kerosene	0.12	0.50	0.50	U
----------#2-Fuel Oil	0.023	0.50	1.6	
----------Varsol	0.057	0.50	0.50	U

IEA Petroleum Hydrocarbons

2 2 0956

Sample Name : LCS 772 Inj on 2140 07Mar1995

Result File : /RESULT/FID2030795_007.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons

Sample Name : LCS 772 Report No :106.00
Result File : /RESULT/FID2030795_007.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 2140 07Mar1995
Sequence File : /SEQUENCE/FID2030795.SEQ
Subseq/Sample : 1/ 7 Bottle no. : 7

% Dil-Fact
100.00

1600 80%

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.63		4736	BV	0.00	
2	3.79		8131	VV	0.00	
3	3.97		1660	VV	0.00	
4	4.17		2099	PV	0.00	
5	4.40		8694	VV	0.00	
6	4.57		1603	VV	0.00	
7	4.90		1413	VV	0.00	
8	5.04		2244	VV	0.00	
9	5.21		9671	VV	0.00	
10	5.68		6380	VV	0.00	
11	5.85		20331	VV	0.00	
12	6.03		29045	VV	0.00	
13	6.42		10956	VV	0.00	
14	6.62		30037	VV	0.00	
15	6.83		7769	VV	0.00	
16	7.00		4218	VV	0.00	
17	7.13		7570	VV	0.00	
18	7.33		23357	VV	0.00	
19	7.50		13323	VV	0.00	
20	8.01		65020	VV	0.00	
21	8.13		33511	VV	0.00	
22	8.40		34128	VV	0.00	
23	8.66		92636	VV	0.00	
24	8.92	#8.92	400252	VV	1.11	1,3-Dichlorobenzene
25	9.09		34580	VV	0.00	
26	9.24		44353	VV	0.00	
27	9.40		39566	VV	0.00	
28	9.52		22569	VV	0.00	
29	9.74		59408	VV	0.00	
30	9.87		64307	VV	0.00	
31	9.99		51630	VV	0.00	
32	10.25		52707	VV	0.00	
33	10.38		40834	VV	0.00	
34	10.50		127162	VV	0.00	
35	10.79		67365	VV	0.00	
36	10.91		42560	VV	0.00	

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	11.01		50946	VV	0.00	
38	11.21		63045	VV	0.00	
39	11.40		77292	VV	0.00	
40	11.60		99723	VV	0.00	
41	11.71		39836	VV	0.00	
42	11.82		58107	VV	0.00	
43	11.93		39770	VV	0.00	
44	12.19		228998	VV	0.00	
45	12.40		124257	VV	0.00	
46	12.53		39313	VV	0.00	
47	12.72		93215	VV	0.00	
48	12.85		42656	VV	0.00	
49	12.94		113703	VV	0.00	
50	13.20		114176	VV	0.00	
51	13.31		118787	VV	0.00	
52	13.50		127427	VV	0.00	
53	13.74		230707	VV	0.00	
54	14.00		281406	VV	0.00	
55	14.28		222692	VV	0.00	
56	14.50		133955	VV	0.00	
57	14.67		202421	VV	0.00	
58	14.86		181251	VV	0.00	
59	15.19		360322	VV	0.00	
60	15.41		194925	VV	0.00	
61	15.62		159898	VV	0.00	
62	15.85		389283	VV	0.00	
63	16.05		134778	VV	0.00	
64	16.16		155037	VV	0.00	
65	16.42		188116	VV	0.00	
66	16.55		258641	VV	0.00	
67	16.69		117274	VV	0.00	
68	16.82		150673	VV	0.00	
69	16.98		184940	VV	0.00	
70	17.27		234785	VV	0.00	
71	17.35		239637	VV	0.00	
72	17.59		157959	VV	0.00	
73	17.83		426174	VV	0.00	
74	18.05		113219	VV	0.00	
75	18.17		158435	VV	0.00	
76	18.43		322406	VV	0.00	
77	18.57		174358	VV	0.00	
78	18.72		110535	VV	0.00	
79	18.91		153372	VV	0.00	
80	19.05		485932	VV	0.00	
81	19.34		141600	VV	0.00	
82	19.57		166939	VV	0.00	
83	19.66		291665	VV	0.00	
84	19.90		238478	VV	0.00	
85	20.21		243098	VV	0.00	
86	20.32		281057	VV	0.00	
87	20.62		233339	VV	0.00	
88	20.90		130843	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0959

Pk#	RT	ID-tm	Area	Code	PPB	Name
89	21.00		184227	VV	0.00	
90	21.31		300660	VV	0.00	
91	21.46		201269	VV	0.00	
92	21.75		116249	VV	0.00	
93	21.96		253156	VV	0.00	
94	22.19		143797	VV	0.00	
95	22.35		170861	VV	0.00	
96	22.53		129210	VV	0.00	
97	22.77		164476	VV	0.00	
98	22.95		60097	VV	0.00	
99	23.15		179048	VV	0.00	
100	23.36		259787	VV	0.00	
101	23.70		106951	VV	0.00	
102	23.95		79895	VV	0.00	
103	24.06		77884	VV	0.00	
104	24.32		124558	VV	0.00	
105	24.45		43964	VV	0.00	
106	24.55		44384	VV	0.00	
107	24.66		86155	VV	0.00	
108	25.23		72294	VV	0.00	
109	25.50		67539	VV	0.00	
110	25.79		80873	VV	0.00	
111	26.11		69039	VV	0.00	
112	26.96		87247	VV	0.00	
113	27.78		31400	VV	0.00	
114	28.39		6790	VV	0.00	
115	28.58		9731	VV	0.00	

Total Area : 13898766 Total PPB : 1.111

Report Time : 2213 07Mar1995
Method : /METHOD/FID2080794.MTH
Result File : /RESULT/FID2030795_007.RES

1A 2 2 0960

CLIENT SAMPLE NO.

SW-846 PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

CS-13MS

Lab Name: INDUSTRIAL & ENVIRONMENTAL ANALYSTS

Lab Code: IEA Case No.: 2041-001(1) Method: 8015 Modified SDG No.: 03100

Matrix: (soil/water) WATER Lab Sample ID: 950310003MS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FID2030795_008.D

% Moisture: _____ Date Received: 03/06/95

GC Column: RTX-5 Date Analyzed: 03/07/95

ID: 0.53 Dilution Factor: 1.0

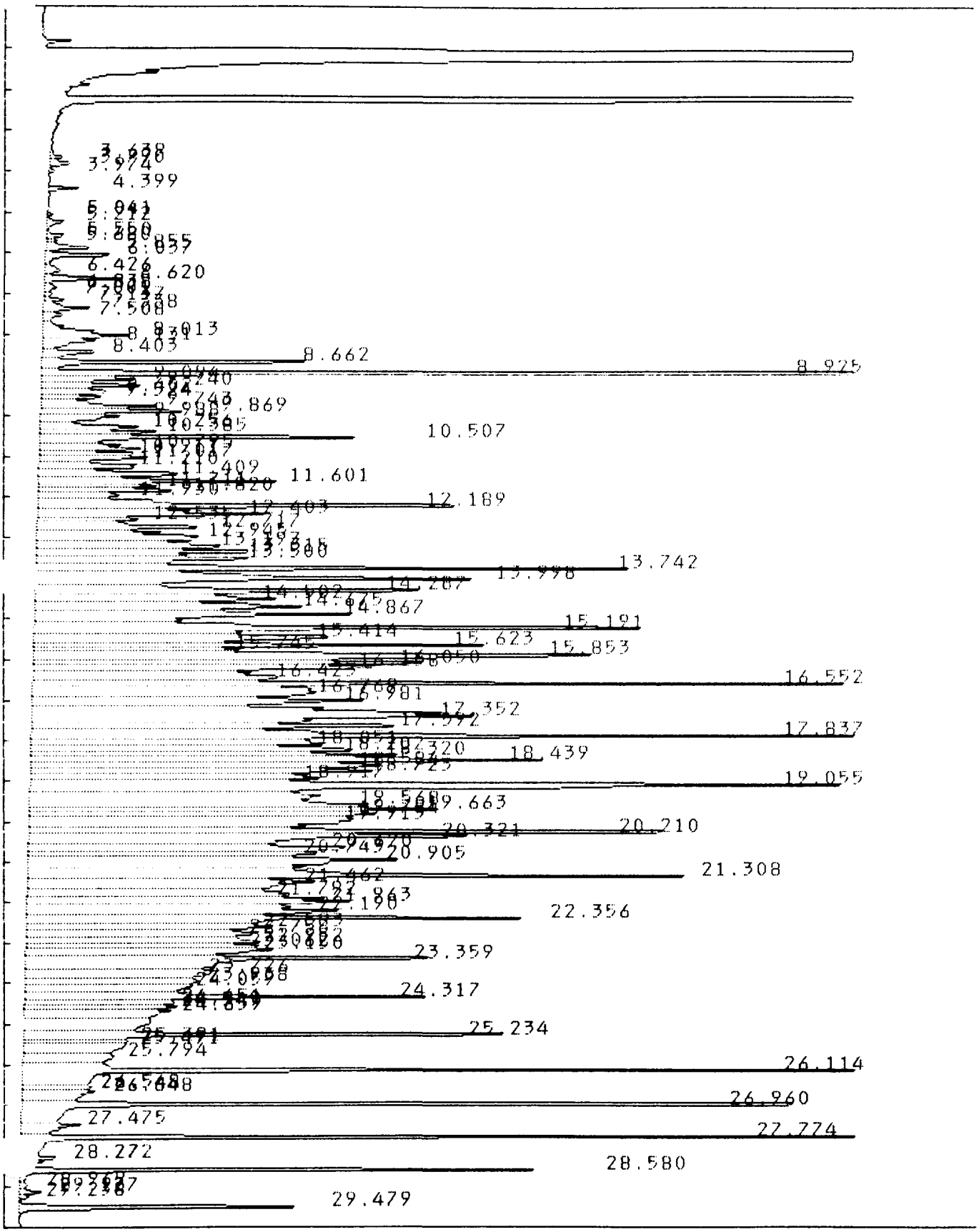
Concentrated Extract Volume: 1000(uL) Date Extracted: 03/07/95

COMPOUND	MDL	CRQL	RESULTS MG/L	Q
----------Kerosene	0.12	0.50	0.50	U
----------#2-Fuel Oil	0.023	0.50	1.9	
----------Varsol	0.057	0.50	0.50	U

IEA Petroleum Hydrocarbons

2 2 0961

Sample Name : 950310003MS Inj on 2221 07Mar1995
Result File : /RESULT/FID2030795_008.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons 2 2 0962

Sample Name : 950310003MS Report No :107.00
Result File : /RESULT/FID2030795_008.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.00 Mins. Injected on 2221 07Mar1995
Sequence File : /SEQUENCE/FID2030795.SEQ
Subseq/Sample : 1/ 8 Bottle no. : 8

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.64		4791	PV	0.00	
2	3.79		8336	VV	0.00	
3	3.97		1711	VV	0.00	
4	4.40		7995	VV	0.00	
5	5.04		1623	PV	0.00	
6	5.21		8801	VV	0.00	
7	5.55		6526	VV	0.00	
8	5.68		3315	VV	0.00	
9	5.85		19073	VV	0.00	
0	6.04		26916	VV	0.00	
11	6.43		9024	VV	0.00	
12	6.62		28357	VV	0.00	
13	6.84		6556	VV	0.00	
14	7.00		3203	VV	0.00	
15	7.14		6255	VV	0.00	
16	7.34		20274	VV	0.00	
17	7.51		10315	VV	0.00	
18	8.01		58885	VV	0.00	
19	8.13		30450	VV	0.00	
20	8.40		29728	VV	0.00	
21	8.66		88741	VV	0.00	
22	8.93	#8.92	374713	VV	1.04	1,3-Dichlorobenzene
23	9.09		32563	VV	0.00	
24	9.24		39686	VV	0.00	
25	9.40		35758	VV	0.00	
26	9.52		21687	VV	0.00	
27	9.74		54250	VV	0.00	
28	9.87		60864	VV	0.00	
29	9.99		45717	VV	0.00	
30	10.26		46811	VV	0.00	
31	10.38		39950	VV	0.00	
32	10.51		123289	VV	0.00	
33	10.80		60749	VV	0.00	
34	10.91		37562	VV	0.00	
35	11.02		47791	VV	0.00	
6	11.21		58720	VV	0.00	

Pk#	RT	ID-tm	Area	Code	PPB	Name
37	11.41		74547	VV	0.00	
38	11.60		96902	VV	0.00	
39	11.71		37880	VV	0.00	
40	11.82		52096	VV	0.00	
41	11.93		38671	VV	0.00	
42	12.19		218384	VV	0.00	
43	12.40		119011	VV	0.00	
44	12.53		34765	VV	0.00	
45	12.72		91486	VV	0.00	
46	12.94		147530	VV	0.00	
47	13.20		111177	VV	0.00	
48	13.31		114778	VV	0.00	
49	13.50		125523	VV	0.00	
50	13.74		221442	VV	0.00	
51	14.00		275273	VV	0.00	
52	14.29		219717	VV	0.00	
53	14.50		129473	VV	0.00	
54	14.68		201313	VV	0.00	
55	14.87		184500	VV	0.00	
56	15.19		354997	VV	0.00	
57	15.41		195699	VV	0.00	
58	15.62		154202	VV	0.00	
59	15.74		64324	VV	0.00	
60	15.85		323083	VV	0.00	
61	16.05		140490	VV	0.00	
62	16.16		159082	VV	0.00	
63	16.42		195020	VV	0.00	
64	16.55		266429	VV	0.00	
65	16.77		281085	VV	0.00	
66	16.98		203441	VV	0.00	
67	17.35		515259	VV	0.00	
68	17.59		175456	VV	0.00	
69	17.84		416123	VV	0.00	
70	18.05		172948	VV	0.00	
71	18.20		181231	VV	0.00	
72	18.32		120785	VV	0.00	
73	18.44		242607	VV	0.00	
74	18.58		178320	VV	0.00	
75	18.72		162469	VV	0.00	
76	18.92		173966	VV	0.00	
77	19.05		497203	VV	0.00	
78	19.57		403567	VV	0.00	
79	19.66		194651	VV	0.00	
80	19.78		146955	VV	0.00	
81	19.91		286817	VV	0.00	
82	20.21		261929	VV	0.00	
83	20.32		320428	VV	0.00	
84	20.62		181964	VV	0.00	
85	20.74		116002	VV	0.00	
86	20.90		369360	VV	0.00	
87	21.31		355299	VV	0.00	
88	21.46		258625	VV	0.00	

IEA Petroleum Hydrocarbons

2 2 0964

Pk#	RT	ID-tm	Area	Code	PPB	Name
89	21.79		158970	VV	0.00	
0	21.96		221785	VV	0.00	
91	22.19		263383	VV	0.00	
92	22.36		247598	VV	0.00	
93	22.59		138807	VV	0.00	
94	22.76		146147	VV	0.00	
95	22.95		144978	VV	0.00	
96	23.06		77959	VV	0.00	
97	23.15		155686	VV	0.00	
98	23.36		318984	VV	0.00	
99	23.73		149685	VV	0.00	
100	23.94		107579	VV	0.00	
101	24.06		103358	VV	0.00	
102	24.32		180634	VV	0.00	
103	24.45		56538	VV	0.00	
104	24.55		60668	VV	0.00	
105	24.66		123522	VV	0.00	
106	25.23		194256	VV	0.00	
107	25.39		38948	VV	0.00	
108	25.49		93869	VV	0.00	
109	25.79		73398	VV	0.00	
110	26.11		342482	VV	0.00	
111	26.55		78580	VV	0.00	
112	26.65		65679	VV	0.00	
113	26.96		312017	VV	0.00	
114	27.47		41684	VV	0.00	
115	27.77		242607	VV	0.00	
116	28.27		22684	VV	0.00	
117	28.58		147837	VV	0.00	
118	28.97		3523	VV	0.00	
119	29.13		7997	VV	0.00	
120	29.24		3542	VV	0.00	
121	29.48		86484	VV	0.00	

Total Area : 16587146 Total PPB : 1.041

Report Time : 2253 07Mar1995
Method : /METHOD/FID2080794.MTH
Result File : /RESULT/FID2030795_008.RES

1A 2 2 0965

SW-846 PETROLEUM HYDROCARBON ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CS-13MSD

Lab Name: INDUSTRIAL & ENVIRONMENTAL ANALYSTS

Lab Code: IEA Case No.: 2041-001(1) Method: 8015 Modified SDG No.: 03100

Matrix: (soil/water) WATER Lab Sample ID: 950310003MSD

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FID2030795_009.D

% Moisture: _____ Date Received: 03/06/95

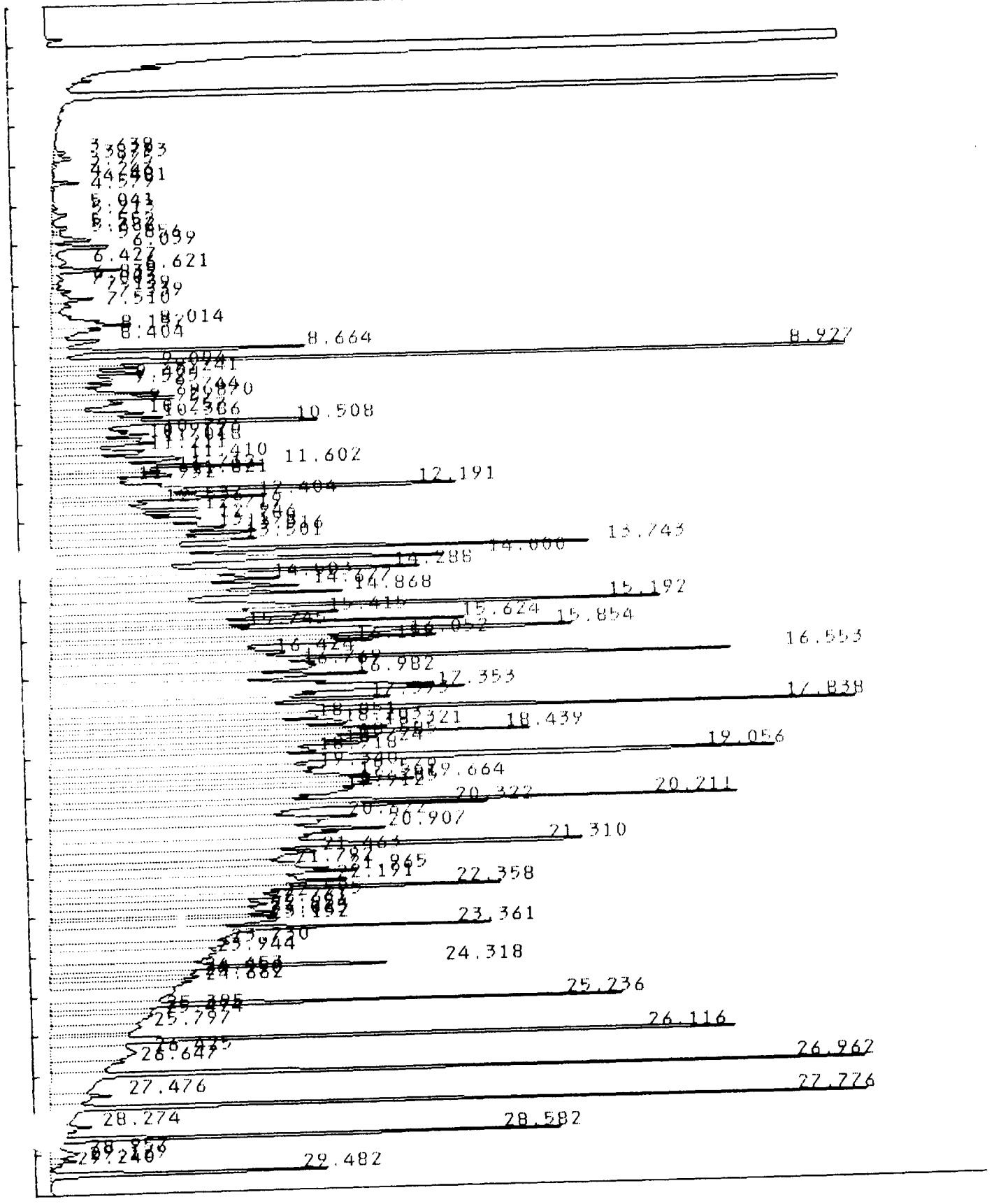
GC Column: RTX-5 Date Analyzed: 03/07/95

ID: 0.53 Dilution Factor: 1.0

Concentrated Extract Volume: 1000(uL) Date Extracted: 03/07/95

COMPOUND	MDL	CRQL	RESULTS MG/L	Q
----------Kerosene	0.12	0.50	0.50	U
----------#2-Fuel Oil	0.023	0.50	1.8	
----------Varsol	0.057	0.50	0.50	U

Sample Name : 950310003MSD Inj on 2303 07Mar1995
Result File : /RESULT/FID2030795_009.RES INSTRUMENT : FID2



IEA Petroleum Hydrocarbons 2 2 0967

Sample Name : 950310003MSD Report No :108.00
Result File : /RESULT/FID2030795_009.RES
Column Type : RTX-5 30 Meter,0.53mm ID Inj. Vol. : 1 ul
Instrument : FID2
Calculation : ExternalSTD
Run Time : 30.02 Mins. Injected on 2303 07Mar1995
Sequence File : /SEQUENCE/FID2030795.SEQ
Subseq/Sample : 1/ 9 Bottle no. : 9

% Dil-Fact
100.00

Run Status : RunStatusOK
EndOffBaseline

Pk#	RT	ID-tm	Area	Code	PPB	Name
1	3.64		4570	PV	0.00	
2	3.79		7771	VV	0.00	
3	3.98		1535	VV	0.00	
4	4.25		1197	PV	0.00	
5	4.40		7707	VV	0.00	
6	4.58		1075	VV	0.00	
7	5.04		1684	VV	0.00	
8	5.21		8382	VV	0.00	
9	5.55		6261	VV	0.00	
10	5.68		3178	VV	0.00	
11	5.86		17866	VV	0.00	
12	6.04		25876	VV	0.00	
13	6.43		10158	VV	0.00	
14	6.62		26917	VV	0.00	
15	6.84		6963	VV	0.00	
16	7.00		3471	VV	0.00	
17	7.14		6491	VV	0.00	
18	7.34		20401	VV	0.00	
19	7.51		11428	VV	0.00	
20	8.01		57680	VV	0.00	
21	8.13		30078	VV	0.00	
22	8.40		28791	VV	0.00	
23	8.66		83383	VV	0.00	
24	8.93	#8.92	357479	VV	.99	1,3-Dichlorobenzene
25	9.09		30239	VV	0.00	
26	9.24		38410	VV	0.00	
27	9.40		35584	VV	0.00	
28	9.52		22018	VV	0.00	
29	9.74		52625	VV	0.00	
30	9.87		57708	VV	0.00	
31	9.99		44006	VV	0.00	
32	10.26		45863	VV	0.00	
33	10.39		38247	VV	0.00	
34	10.51		115905	VV	0.00	
35	10.80		60545	VV	0.00	
36	10.91		36635	VV	0.00	

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Pk#	RT	ID-tm	Area	Code	PPB	Name
37	11.02		45474	VV	0.00	
8	11.21		57792	VV	0.00	
39	11.41		71016	VV	0.00	
40	11.60		91515	VV	0.00	
41	11.71		36311	VV	0.00	
42	11.82		50381	VV	0.00	
43	11.93		38120	VV	0.00	
44	12.19		240917	VV	0.00	
45	12.40		83867	VV	0.00	
46	12.54		34135	VV	0.00	
47	12.72		89717	VV	0.00	
48	12.95		143854	VV	0.00	
49	13.20		107277	VV	0.00	
50	13.32		114479	VV	0.00	
51	13.50		118411	VV	0.00	
52	13.74		213093	VV	0.00	
53	14.00		266966	VV	0.00	
54	14.29		212137	VV	0.00	
55	14.50		125482	VV	0.00	
56	14.68		194628	VV	0.00	
57	14.87		178795	VV	0.00	
58	15.19		342216	VV	0.00	
59	15.42		189399	VV	0.00	
60	15.62		148318	VV	0.00	
61	15.75		62520	VV	0.00	
62	15.85		309585	VV	0.00	
63	16.05		132981	VV	0.00	
4	16.16		224461	VV	0.00	
65	16.42		117483	VV	0.00	
66	16.55		253941	VV	0.00	
67	16.77		272761	VV	0.00	
68	16.98		195365	VV	0.00	
69	17.35		492399	VV	0.00	
70	17.59		167805	VV	0.00	
71	17.84		394304	VV	0.00	
72	18.05		167504	VV	0.00	
73	18.20		173544	VV	0.00	
74	18.32		115786	VV	0.00	
75	18.44		231619	VV	0.00	
76	18.59		169750	VV	0.00	
77	18.72		158257	VV	0.00	
78	18.92		164466	VV	0.00	
79	19.06		475171	VV	0.00	
80	19.34		199815	VV	0.00	
81	19.57		181529	VV	0.00	
82	19.66		184881	VV	0.00	
83	19.78		141470	VV	0.00	
84	19.91		275249	VV	0.00	
85	20.21		249654	VV	0.00	
86	20.32		311760	VV	0.00	
87	20.62		277213	VV	0.00	
88	20.91		350107	VV	0.00	

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Pk#	RT	ID-tm	Area	Code	PPB	Name
89	21.31		347133	VV	0.00	
0	21.46		243549	VV	0.00	
91	21.79		152088	VV	0.00	
92	21.96		211499	VV	0.00	
93	22.19		253231	VV	0.00	
94	22.36		238209	VV	0.00	
95	22.60		132596	VV	0.00	
96	22.76		147708	VV	0.00	
97	22.95		137032	VV	0.00	
98	23.06		75375	VV	0.00	
99	23.15		150985	VV	0.00	
100	23.36		312083	VV	0.00	
101	23.73		147417	VV	0.00	
102	23.94		202562	VV	0.00	
103	24.32		181664	VV	0.00	
104	24.45		54150	VV	0.00	
105	24.55		60831	VV	0.00	
106	24.66		115043	VV	0.00	
107	25.24		189493	VV	0.00	
108	25.39		46302	VV	0.00	
109	25.49		92890	VV	0.00	
110	25.80		75530	VV	0.00	
111	26.12		252244	VV	0.00	
112	26.43		108121	VV	0.00	
113	26.65		66107	VV	0.00	
114	26.96		316592	VV	0.00	
115	27.48		47784	VV	0.00	
116	27.78		250374	VV	0.00	
117	28.27		26930	VV	0.00	
118	28.58		148460	VV	0.00	
119	28.96		20907	VV	0.00	
120	29.13		8832	VV	0.00	
121	29.24		4400	VV	0.00	
122	29.48		87484	VV	0.00	

Total Area : 15859410 Total PPB : .993

Report Time : 2334 07Mar1995
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Result File : /RESULT/FID2030795_009.RES