VOLUME III

REVISED
REMEDIAL INVESTIGATION REPORT
JASCO CHEMICAL CORPORATION
MOUNTAIN VIEW, CALIFORNIA

APPENDIX F - LABORATORY REPORTS AND QA/QC OF SOIL ANALYSES
PREVIOUS INVESTIGATIONS 1984 TO 1989

APPENDIX G - LABORATORY REPORTS AND QA/QC OF SOIL ANALYSES
CONDUCTED JUNE TO AUGUST, 1990

Prepared by:
OHM Remediation Services Corp.
Sacramento, California

On behalf of:
Jasco Chemical Corporation
Mountain View, California

February 1, 1991

REVISED
RI REPORT

JASCO
CHEMICAL
CORP.

MOUNTAIN
VIEW,
CA

VOLUME
III

February 1
1991

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SFUND RECORDS CTR
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VOLUME III

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REMEDIAL INVESTIGATION REPORT
JASCO CHEMICAL CORPORATION
MOUNTAIN VIEW, CALIFORNIA

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OHM Remediation Services Corp.
Sacramento, California

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Mountain View, California

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APPENDIX F

LABORATORY REPORTS AND QA/QC OF SOIL ANALYSES OF PREVIOUS INVESTIGATIONS 1984 to 1989

TABLE 1

Results Of Chemical Analysis

Analyte	Soil Composite (ug/Kg)	Water (ug/L)	Field Blank (ug/L)
Pentachlorophenol	<10	0.2	<0.1
Purgeable Solvents:			
Requested Compounds			
Acetone	<20	98	<10
Deodorized Kerosene[1]	<1000	<200	<200
Dichloromethane	<20	<5	<5
Ethanol	<100	<20	<20
Isopropanol	<100	<30	<30
Lacquer Thinner[2]	<20	<5	<5
Methanol	<100	95	<30
Paint Thinner[3]	<600	860	<100
Other Compounds[4]			
Methyl ethyl ketone	<30	4	<4
1, 1, 1-Trichloroethane	<5	9	<1
Trichloroethylene	<5	<9	<1
Unidentified peaks	0	0	0

ug? L? field blank?

1. Parks brand deodorized kerosene
2. JASCO brand lacquer thinner
3. Parks brand paint thinner
4. Compounds detected in samples, but not reportedly stored on JASCO site

ANATEC LABORATORIES INC.

435 Tesconi Circle • Santa Rosa, California 95401 • 707-526-7200

Patrick Casey
Questa Engineering
PO Box 356
Pt. Richmond, CA 94807

October 6, 1986986
ANATEC Log No: 8289 (1-3)
Series No: 216/006
Client Ref: (V) P. Casey

Subject: Analysis of Two Soil and One Water Samples Received August 27, 1986

Dear Mr. Casey:

Analysis of the samples referenced above has been completed. Samples were received by the laboratory in insulated shipping containers. During the laboratory log-in process, samples were noted to be cool, intact and completely and legibly labeled. Each of the soil samples were submitted as three brass rings with directions to form one composite sample for analysis, respectively. The water sample was submitted in each of two types of containers; these were 40-milliliter glass vials with Teflon septa and plastic screw caps, and one-liter amber glass bottles with Teflon capliners and plastic screw caps. The water sample and composite soil sample were analyzed to measure a variety of volatile species including individual compounds and three complex hydrocarbon mixtures. Contents of one-liter bottles were analyzed to measure pentachlorophenol.

Volatile species measurements were made by purge-and-trap sampling gas chromatography. Briefly, reagent helium is bubbled through five milliliter portions of water sample or soil sample-water slurries in a closed system. Helium and volatile organic compounds thus sparged from the sample pass through a "trap" containing various sorbents which retain organic compounds. The trap is subsequently heated and organic compounds thereby desorbed are swept onto the analytical column of a gas chromatograph equipped with a flame ionization detector. Preparation and analysis of samples is accompanied by similar treatment of standards and sample spikes prepared with neat, reagent grade compounds, or, in the case of complex mixtures, reference samples of those mixtures supplied previously with samples. Identification of compounds is based on both absolute and relative retention times; quantitation is based on ratios of sample and standard peak areas (i.e., "external standardization").

Pentachlorophenol analyses were conducted by gas chromatography of the acetate derivative produced by reaction with acetic anhydride. Derivatives are identified and quantitated as for volatile analytes except that the process is conducted with an electron capture rather than flame ionization detector.

Results of testing are summarized in Table 1. Please feel welcome to contact us should you have questions regarding procedures or results.

Sincerely,

Greg Anderson, Director
Analytical Laboratories

Table 1. Summarized Testing Results[1]

Analyte	Descriptor, Lab No. & Results		
	5 to 15 feet Composite (Soil) (8289-1, -2,-3)	20 to 35 feet Composite (Soil) (8289-4,-5,-6)	V32 (Water) (8289-7, -8,-9,-11)
Deodorized kerosene	<400	<400	<100
Lacquer thinner	<200	<200	<50
Paint thinner	1200	<400	<100
Methyl alcohol	<120	<120	<30
Ethyl alcohol	<120	<120	<20
Isopropyl alcohol	<120	<120	<20
Dichloromethane	<50	<50	3200
Acetone	<100	<100	<15
Methyl ethyl ketone	<100	<100	<15
1,1,1-trichloroethane	<50	<50	<6
Trichloroethylene	<50	<50	<6
Pentachlorophenol	200	8.6	1.5

[1]Results are expressed in units of micrograms analyte per kilogram soil sample, as received basis, and micrograms analyte per liter water sample.

Table 3

WESCO Laboratories

Date: December 1, 1986

Client: Questa Engineering

Submitted by: Pat Casey

Report to: Pat Casey

WESCO Job #: QEA 8616

Client Job/P.O. #: Solvent Mixes 11/5/86

Date collected: 11-05-86

Date submitted: 11-05-86

& type of sample(s): 5 Water
9 Soil

Page 1 of 3

depth of water

ANALYTE	NOTE	LAB NUMBERS CLIENT ID 6045 Water V-3	6055 Water V-1	6056 Water V-2
CH2Cl2 (ug/l)	1	7.6	18	142000
TCE (ug/l)	1	< 0.5	N/A	N/A
1,1,1, TCA (ug/l)	1	< 0.5	N/A	N/A
Methyl ethyl ketone (mg/l)	2	< 1	N/A	N/A
Methanol (mg/l)	2	2.7	N/A	N/A
Ethanol (mg/l)	2	< 1	N/A	N/A
Acetone (mg/l)	2	< 1	N/A	N/A
Isopropanol (mg/l)	2	< 1	N/A	N/A
Lacquer Thinner (mg/l)	3	< 0.050	N/A	N/A
Paint Thinner (mg/l)	3	< 0.050	N/A	N/A
Kerosene (mg/l)	3	< 0.100	N/A	N/A

ANALYTE	NOTE	LAB NUMBERS CLIENT ID 6057 Water V-3	6058 Water Field Blank	
CH2Cl2 (ug/l)	1	N/A	4.2	
TCE (ug/l)	1	N/A	< 0.5	
1,1,1, TCA (ug/l)	1	N/A	< 0.5	
Lacquer Thinner (mg/l)	3	N/A	< 0.050	
Paint Thinner (mg/l)	3	N/A	< 0.050	
Kerosene (mg/l)	3	N/A	< 0.100	
Pentachlorophenol (ug/l)	4	50.	N/A	

METHOD(S):

Note 1 - EPA Method 601.
Note 2 - EPA Method 8015.
Note 3 - EPA Method 3020.
Note 4 - EPA Method 604.

Analytical Supervisor

14 Galli Drive, Suite A
Novato, California 94947 415 883-6425
A Division of Western Ecological Services Company

Table 1

WESCO Laboratories

Date: December 1, 1986
Client: Questa Engineering
Submitted by: Pat Casey
Report to: Pat Casey
WESCO Job #: QEA 8616

Client Job/P.O. #: Solvent Mixes 11/5/86
Date collected: 11-05-86
Date submitted: 11-05-86
& type of sample(s): 2 Water
9 Soil
Page 2 of 3

ANALYTE	NOTE	LAB NUMBERS CLIENT ID 6046 Soil V-3 (5&10')	6047 Soil V-3 (13-19')	6048 Soil V-3 (36')
CH2Cl2 (ug/kg)	1	< 25	< 5	< 5
TCE (ug/kg)	1	< 25	< 5	< 5
1,1,1 TCA (ug/kg)	1	< 25	< 5	< 5
Methyl ethyl ketone (mg/kg)	2	< 1	< 1	< 1
Methanol (mg/kg)	2	5.8	4.4	5.0
Ethanol (mg/kg)	2	< 1	< 1	< 1
Acetone (mg/kg)	2	1.9	< 1	1.8
Isopropanol (mg/kg)	2	2.5	1.2	2.4
Lacquer Thinner (mg/kg)	3	< 0.050	< 0.050	< 0.42*
Paint Thinner (mg/kg)	3	< 0.050	< 0.050	< 0.050
Kerosene (mg/kg)	3	< 0.100	< 0.100	< 0.100

METHOD(S):
Note 1 - EPA Method 601.
Note 2 - EPA Method 8015.
Note 3 - EPA Method 5020.
*Tentative identification.

Analytical Supervisor

14 Galli Drive, Suite A
Novato, California 94947 415 883-6425
A Division of Western Biological Services Company

Table 2

WESCO Laboratories

Date: December 1, 1986

Client: Questa Engineering

Submitted by: Pat Casey

Report to: Pat Casey

WESCO Job #: QEA 8616

Client Job/P.O. #: Solvent Mix 11/5/86

Date collected: 11-05-86

Date submitted: 11-05-86

& type of sample(s): 5 Water
9 Soil

Page 3 of 3

V-3?
depth?

Lab No.	Client ID	Acetone (mg/kg	Lacquer Thinner (mg/kg)	CH2Cl2 (ug/kg)			
6049	Soil V-AC Fill	2,190	N/A	N/A			
6050	Soil V-AC Pump	< 1	N/A	N/A			
6051	Soil V-LT Fill	N/A	40	N/A			
6052	Soil V-LT Pump	N/A	280*	N/A			
6053	Soil V-MC Fill	N/A	N/A	77			
6054	Soil V-MC Pump	N/A	N/A	7.2			
	METHOD(S):	Note 1	Note 2	Note 3			

NOTES:

Note 1 - EPA Method 8015.
Note 2 - EPA Method 5020.
Note 3 - EPA Method 601.
*Predominantly paint thinner; quantified as paint thinner.

Michael Webb
Analytical Supervisor

14 Galli Drive, Suite A
Novato, California 94947 415 883-6425
A Division of Western Ecological Services Company

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 04/02/87
Date Received: 04/02/87
Date Extracted: 04/15/87
Date Reported: 04/20/87
Project No. JCO-104H

Sample Number	Sample Description
7040146	Soil, S-4 Well V-4 (14-15.5')

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride		880
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane		57
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

NOTE: Method 8010 of the EPA was used for this analysis.

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 04/02/87
Date Received: 04/02/87
Date Extracted: 04/15/87
Date Reported: 04/20/87
Project No. JCO-104H

Sample Number	Sample Description
7040147	Soil, S-5 Well V-4 (20-21.5')

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane		[illegible]0
Benzene		-	1,3-Dichloropropene		[illegible]0
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride		3,500
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane		340
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane		350	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

mpr

NOTE: Method 8010 of the EPA was used for this analysis.

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 04/02/87
Date Received: 04/02/87
Date Extracted: 04/15/87
Date Reported: 04/20/87
Project No. JCO-104H

Sample Number
7040148

Sample Description
Soil, S-9

Well V-4 (38.5-40')

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride		50
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane		50
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

mpr

NOTE: Method 8010 of the EPA was used for this analysis.

Wahler Associates

WA Project Number: _____

Field Sample Chain of Custody Record

Source of Sample(s) Mountain View, CA

Address _____

Phone ( )

Report to (1) _____

Collector Bob Breymaert

Affiliation WAHLER ASSOCIATES

Address 1023 Corporation way
Palo Alto, CA 94303

Phone (415) 968-6260

Sample Information

Lab No.	Field No.	Date	Time	Type (2)	Depth	Remarks (Suspected Contaminants, Field Conditions, etc.)
		/ /				See Attached Analysis
		/ /				request sheet
		/ /				
		/ /				
		/ /				
		/ /				
		/ /				
		/ /				

Chain of Possession

	Relinquished by (Signature and affiliation)	Date	Time	Received by (3) (Signature and affiliation)	Date	Ti:
1.	[signature]	4/2/87	6:30 pm	Kyle Anderson	4/2/87	8:
2.		/ /			/ /	
3.		/ /			/ /	

(1) There is a separate Request for Analysis form that should be filled out by the collect and given to the Laboratory when samples are delivered.
(2) e.g. water, sludge, soil, etc.
(3) If any samples are not intact at time of transfer, please describe on the back of this form.

Wahler Associates
1023 Corporation Way, P.O. Box 10023, Palo Alto, California 94303
(415) 968-6250 • TELEX 348-427

ANALYSIS REQUEST FORM

SEQUOIA Date Sample Shipped 4/2/87

WAHLER ASSOCIATES will indicate a contact person and phone number which the Lab staff can use to obtain or verify the appropriate analytical requirements.

Your Sample I.D.	Matrix	Container	Analysis Requested
S-4	SOIL	Brass tube	EPA 8010
S-5	Soil	Brass Tube	EPA 8010
S-9	Soil	Brass Tube	EPA 8010

Comments Written Turnaround NO LATER THAN THURSDAY APRIL 16, 1987

Contact Person BOB BRAYNAERT (415) 968-6250
Name Telephone

Lab Project Manager (if known) SCOTT COCANOUR

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061433	Soil, #B-1, R-2

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride		410
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane		280
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

280

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

sls

NOTE: Method 8010 of the EPA was used for this analysis.

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061434	Soil, #B-1, R-6

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride	<	50
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane	<	50
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

sls

NOTE: Method 8010 of the EPA was used for this analysis.

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061435	Soil, #B-2, R-1

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride		1,100
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane	<	50
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

1100

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

sls

NOTE: Method 8010 of the EPA was used for this analysis.

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JC3-104B

Sample Number	Sample Description
7061435	Soil, #B-2, R-1

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS
results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

NOTE: Method 8040 of the EPA was used for this analysis.

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061435	Soil, #B-2, R-1

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	< 1.0
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	< 1.0

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

mpr

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061436	Soil, #B-2, R-2

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride	<	50
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane	<	50
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

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NOTE: Method 8010 of the EPA was used for this analysis.

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Attn: Bob Breynaert

Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061437	Soil, #B-2, R-4

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride	<	50
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane	<	50
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061438	Soil, #B-2, R-6

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride		1,000
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane		110
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061438	Soil, #B-2, R-6

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS
results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061438	Soil, #B-2, R-6

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	< 1.0
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl	1.0	< 1.0

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061439	Soil, #B-3, R-1

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride		2,400
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane		560
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104E

Sample Number	Sample Description
7061439	Soil, #B-3, R-1

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS

results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

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Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061439	Soil, #B-3, R-1

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	< 1.0
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	< 1.0

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061440	Soil, #B-3, R-4

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride	<	50
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane	<	50
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061441	Soil, #B-3, R-6

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	5
Acrylonitrile		-	1,2-Dichloropropane	<	5
Benzene		-	1,3-Dichloropropene	<	5
Bromomethane	<	50	Ethylbenzene		
Bromodichloromethane	<	50	Methylene chloride		35
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	5
Carbon tetrachloride	<	50	Tetrachloroethene	<	5
Chlorobenzene		-	1,1,1-Trichloroethane		15
Chloroethane	<	50	1,1,2-Trichloroethane	<	5
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	5
Chloroform	<	50	Toluene		
Chloromethane	<	50	Vinyl chloride	<	5
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	5
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	5
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	5
1,1-Dichloroethene	<	50			

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Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061441	Soil, #B-3, R-6

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS

results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061441	Soil, #B-3, R-6

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	< 1.0
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	< 1.0

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061442	Soil, #B-4, R-1

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	[illegible]	0
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride		1,100
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane	<	50
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

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Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061442	Soil, #B-4, R-1

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS
results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

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Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061442	Soil, #B-4, R-1

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	< 1.0
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	< 1.0

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Date Sampled: 06.10.87
Date Received: 06.10.87
Date Extracted: 06.23.87
Date Reported: 06.26.87
Project No. JCO-104E

Sample Number	Sample Description
7061443	Soil, #B-4, R-3

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride	<	50
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane	<	50
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

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NOTE: Method 8010 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061444	Soil, #B-4, R-4

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	[illegible]	0
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride		190
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane	<	50
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061445	Soil, #B-4, R-5

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	5
Acrylonitrile		-	1,2-Dichloropropane	<	5
Benzene		-	1,3-Dichloropropene	<	5
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride	<	5
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	5
Carbon tetrachloride	<	50	Tetrachloroethene	<	5
Chlorobenzene		-	1,1,1-Trichloroethane	<	5
Chloroethane	<	50	1,1,2-Trichloroethane	<	5
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	5
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	5
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	5
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	5
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	5
1,1-Dichloroethene	<	50			

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NOTE: Method 8010 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061446	Soil, #B-4, R-6

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride	<	50
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane		100
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

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NOTE: Method 8010 of the EPA was used for this analysis.

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Attn: Bob Breynaert

Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061446	Soil, #B-4, R-6

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS

results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
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NOTE: Method 8040 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061446	Soil, #B-4, R-6

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	< 1.0
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	< 1.0

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Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061447	Soil, #B-5, R-1

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppb

Acrolein	-		trans-1,2-Dichloroethene	<	5
Acrylonitrile	-		1,2-Dichloropropane	<	5
Benzene	-		1,3-Dichloropropene	<	5
Bromomethane	<	50	Ethylbenzene		
Bromodichloromethane	<	50	Methylene chloride	<	5
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	5
Carbon tetrachloride	<	50	Tetrachloroethene	<	5
Chlorobenzene	-		1,1,1-Trichloroethane	<	5
Chloroethane	<	50	1,1,2-Trichloroethane	<	5
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	5
Chloroform	<	50	Toluene		
Chloromethane	<	50	Vinyl chloride	<	5
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	5
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	5
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	5
1,1-Dichloroethene	<	50			

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NOTE: Method 8010 of the EPA was used for this analysis.

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Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061448	Soil, #B-5, R-3

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene		50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride		770
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane	<	50
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061448	Soil, #B-5, R-3

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS
results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

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NOTE: Method 8040 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061448	Soil, #B-5, R-3

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	< 1.0
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	< 1.0

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061464	Soil, #B-5, R-4

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein	< 10,000	trans-1,2-Dichloroethene	< 50
Acrylonitrile	< 10,000	1,2-Dichloropropane	< 50
Benzene	< 50	1,3-Dichloropropene	< 50
Bromoethane	< 50	Ethylbenzene	< 50
Bromodichloromethane	< 50	Methylene chloride	< 50
Bromoform	< 50	1,1,2,2-Tetrachloroethane	< 50
Carbon tetrachloride	< 50	Tetrachloroethene	< 50
Chlorobenzene	< 50	1,1,1-Trichloroethane	< 50
Chloroethane	< 50	1,1,2-Trichloroethane	< 50
2-Chloroethylvinyl ether	< 50	Trichloroethene	< 50
Chloroform	< 50	Toluene	< 50
Chloromethane	< 50	Vinyl chloride	< 50
Dibromochloromethane	< 50	1,2-Dichlorobenzene	< 50
1,1-Dichloroethane	< 50	1,3-Dichlorobenzene	< 50
1,2-Dichloroethane	< 50	1,4-Dichlorobenzene	< 50
1,1-Dichloroethene	< 50		

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NOTE: Method 8240 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061464	Soil, B-5, R-4

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS
results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
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NOTE: Method 8040 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061464	Soil, #B-5, R-4

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	< 1.0
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	< 1.0

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Date Sampled: 06/[illegible]/87
Date Received: 06/[illegible]/87
Date Extracted: 06/[illegible]/87
Date Reported: 06/[illegible]/87
Project No. JCO-104[illegible]

Sample Number	Sample Description
7061449	Soil, #B-5, R-5

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	5
Acrylonitrile		-	1,2-Dichloropropane	<	5
Benzene		-	1,3-Dichloropropene		5
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride	<	5
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	5
Carbon tetrachloride	<	50	Tetrachloroethene	<	5
Chlorobenzene		-	1,1,1-Trichloroethane	<	5
Chloroethane	<	50	1,1,2-Trichloroethane	<	5
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	5
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	5
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	5
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	5
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	5
1,1-Dichloroethene	<	50			

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NOTE: Method 8010 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061450	Soil, #B-5, R-6

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	5
Acrylonitrile		-	1,2-Dichloropropane	<	5
Benzene		-	1,3-Dichloropropene	<	5
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride	<	5
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	5
Carbon tetrachloride	<	50	Tetrachloroethene	<	5
Chlorobenzene		-	1,1,1-Trichloroethane	<	5
Chloroethane	<	50	1,1,2-Trichloroethane	<	5
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	5
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	5
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	5
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	5
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	5
1,1-Dichloroethene	<	50			

SEQUOIA ANALYTICAL LABORATORY

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NOTE: Method 8010 of the EPA was used for this analysis.

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Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061450	Soil, #B-5, R-6

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS
results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

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NOTE: Method 8040 of the EPA was used for this analysis.

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Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061450	Soil, #B-5, R-6

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	< 1.0
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	< 1.0

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061451	Soil, #B-6, R-1

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride		2,100
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane	<	50
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

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NOTE: Method 8010 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061452	Soil, #B-6, R-3

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride		990
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane	<	50
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

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NOTE: Method 8010 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061452	Soil, B-6, R-3

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS
results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

SEQUOIA ANALYTICAL LABORATORY

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NOTE: Method 8040 of the EPA was used for this analysis.

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Attn: Bob Breynaert

Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061452	Soil, #B-6, R-3

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	< 1.0
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	< 1.0

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061465	Soil, #B-6, R-4

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein	< 10,000	trans-1,2-Dichloroethane	< 50
Acrylonitrile	< 10,000	1,2-Dichloropropane	< [illegible]
Benzene	< 50	1,3-Dichloropropene	< [illegible]
Bromomethane	< 50	Ethylbenzene	< 50
Bromodichloromethane	< 50	Methylene chloride	< 50
Bromoform	< 50	1,1,2,2-Tetrachloroethane	< 50
Carbon tetrachloride	< 50	Tetrachloroethene	< 50
Chlorobenzene	< 50	1,1,1-Trichloroethane	< 50
Chloroethane	< 50	1,1,2-Trichloroethane	< 50
2-Chloroethylvinyl ether	< 50	Trichloroethene	< 50
Chloroform	< 50	Toluene	< 50
Chloromethane	< 50	Vinyl chloride	< 50
Dibromochloromethane	< 50	1,2-Dichlorobenzene	< 50
1,1-Dichloroethane	< 50	1,3-Dichlorobenzene	< 50
1,2-Dichloroethane	< 50	1,4-Dichlorobenzene	< 50
1,1-Dichloroethene	< 50		

SEQUOIA ANALYTICAL LABORATORY

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NOTE: Method 8240 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061465	Soil, #B-6, R-4

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS
results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

NOTE: Method 8040 of the EPA was used for this analysis.

SEQUOIA Analytical Laboratory
2549 Middlefield Road
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Wahler Associates
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Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061465	Soil, #B-6, R-4

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	< 1.0
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	< 1.0

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Arthur G. Burton
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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061453	Soil, #B-6, R-5

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride		720
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane	<	50
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

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SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
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NOTE: Method 8010 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061454	Soil, #B-6, R-6

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	5
Acrylonitrile		-	1,2-Dichloropropane	<	5
Benzene		-	1,3-Dichloropropene		5
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride		1,60
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	5
Carbon tetrachloride	<	50	Tetrachloroethene	<	5
Chlorobenzene		-	1,1,1-Trichloroethane	<	5
Chloroethane	<	50	1,1,2-Trichloroethane	<	5
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	5
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	5
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	5
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	5
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	5
1,1-Dichloroethene	<	50			

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Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061454	Soil, B-6, R-6

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS
results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
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NOTE: Method 8040 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061454	Soil, #B-6, R-6

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	< 1.0
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	< 1.0

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061455	Soil, #B-7, R-1

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride		250
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane		56
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

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Arthur G. Burton
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NOTE: Method 8010 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061456	Soil, #B-7, R-2

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	50
Acrylonitrile		-	1,2-Dichloropropane	<	50
Benzene		-	1,3-Dichloropropene	<	50
Bromomethane	<	50	Ethylbenzene		-
Bromodichloromethane	<	50	Methylene chloride	<	50
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	50
Carbon tetrachloride	<	50	Tetrachloroethene	<	50
Chlorobenzene		-	1,1,1-Trichloroethane	<	50
Chloroethane	<	50	1,1,2-Trichloroethane	<	50
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
Chloroform	<	50	Toluene		-
Chloromethane	<	50	Vinyl chloride	<	50
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
1,1-Dichloroethene	<	50			

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NOTE: Method 8010 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

ample Number	Sample Description
7061466	Soil, #B-7, R-3

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppb

crolein	< 10,000	trans-1,2-Dichloroethene	< 50
crylonitrile	< 10,000	1,2-Dichloropropane	< 50
enzene	< 50	1,3-Dichloropropene	< 50
romomethane	< 50	Ethylbenzene	< 50
romodichloromethane	< 50	Methylene chloride	< 50
romoform	< 50	1,1,2,2-Tetrachloroethane	< 50
arbon tetrachloride	< 50	Tetrachloroethene	< 50
hlorobenzene	< 50	1,1,1-Trichloroethane	< 50
hloroethane	< 50	1,1,2-Trichloroethane	< 50
-Chloroethylvinyl ether	< 50	Trichloroethene	< 50
hloroform	< 50	Toluene	< 50
hloromethane	< 50	Vinyl chloride	< 50
ibromochloromethane	< 50	1,2-Dichlorobenzene	< 50
,1-Dichloroethane	< 50	1,3-Dichlorobenzene	< 50
,2-Dichloroethane	< 50	1,4-Dichlorobenzene	< 50
,1-Dichloroethene	< 50		

EQUOIA ANALYTICAL LABORATORY

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NOTE: Method 8240 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061466	Soil, #B-7, R-3

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS
results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
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NOTE: Method 8040 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061466	Soil, #B-7, R-3

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	< 1.0
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	< 1.0

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061457	Soil, #B-7, R-4

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppb

Acrolein		-	trans-1,2-Dichloroethene	<	5
Acrylonitrile		-	1,2-Dichloropropane	<	5
Benzene		-	1,3-Dichloropropene	<	5
Bromomethane	<	50	Ethylbenzene		
Bromodichloromethane	<	50	Methylene chloride	<	5
Bromoform	<	50	1,1,2,2-Tetrachloroethane	<	5
Carbon tetrachloride	<	50	Tetrachloroethene	<	5
Chlorobenzene		-	1,1,1-Trichloroethane	<	5
Chloroethane	<	50	1,1,2-Trichloroethane	<	5
2-Chloroethylvinyl ether	<	50	Trichloroethene	<	5
Chloroform	<	50	Toluene		
Chloromethane	<	50	Vinyl chloride	<	5
Dibromochloromethane	<	50	1,2-Dichlorobenzene	<	5
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	5
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	5
1,1-Dichloroethene	<	50			

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
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NOTE: Method 8010 of the EPA was used for this analysis.

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Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061457	Soil, #B-7, R-4

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS
results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061457	Soil, #B-7, R-4

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	< 1.0
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	< 1.0

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Date Sampled: 06/11/87
Date Received: 06/11/87
Date Extracted: 06/23/87
Date Reported: 06/25/87
Project No. JCO-104E

Sample Number	Sample Description
7061458	Soil, #B-7, R-5

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppb

Acrolein		-	trans-1,2-Dichloroethene		<
Acrylonitrile		-	1,2-Dichloropropane		<
Benzene		-	1,3-Dichloropropene		<
Bromomethane	<	50	Ethylbenzene		
Bromodichloromethane	<	50	Methylene chloride		<
Bromoform	<	50	1,1,2,2-Tetrachloroethane		<
Carbon tetrachloride	<	50	Tetrachloroethene		<
Chlorobenzene		-	1,1,1-Trichloroethane		<
Chloroethane	<	50	1,1,2-Trichloroethane		<
2-Chloroethylvinyl ether	<	50	Trichloroethene		<
Chloroform	<	50	Toluene		
Chloromethane	<	50	Vinyl chloride		<
Dibromochloromethane	<	50	1,2-Dichlorobenzene		<
1,1-Dichloroethane	<	50	1,3-Dichlorobenzene		<
1,2-Dichloroethane	<	50	1,4-Dichlorobenzene		<
1,1-Dichloroethene	<	50			

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

ample Number	Sample Description
7061459	Soil, #B-7, R-6

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

crolein	-		trans-1,2-Dichloroethene	<	50
crylonitrile	-		1,2-Dichloropropane	<	50
enzene	-		1,3-Dichloropropene		
romomethane	<	50	Ethylbenzene		-
romodichloromethane	<	50	Methylene chloride	<	50
romoform	<	50	1,1,2,2-Tetrachloroethane	<	50
arbon tetrachloride	<	50	Tetrachloroethene	<	50
hlorobenzene	-		1,1,1-Trichloroethane	<	50
hloroethane	<	50	1,1,2-Trichloroethane	<	50
-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
hloroform	<	50	Toluene		-
hloromethane	<	50	Vinyl chloride	<	50
ibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
,1-Dichloroethane	<	50	1,3-Dichlorobenzene	<	50
,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
,1-Dichloroethene	<	50			

EQUOIA ANALYTICAL LABORATORY

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NOTE: Method 8010 of the EPA was used for this analysis.

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Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061459	Soil, #B-7, R-6

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS
results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

NOTE: Method 8040 of the EPA was used for this analysis.

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Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061459	Soil, #B-7, R-6

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	< 1.0
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	< 1.0

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061467	Soil, #B-8, R-2

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppm

Acrolein	< 10	trans-1,2-Dichloroethene	
Acrylonitrile	< 10	1,2-Dichloropropane	<
Benzene	< 2	1,3-Dichloropropene	<
Bromomethane	< 2	Ethylbenzene	17
Bromodichloromethane	< 2	Methylene chloride	3,40
Bromoform	< 2	1,1,2,2-Tetrachloroethane	<
Carbon tetrachloride	680	Tetrachloroethene	1
Chlorobenzene	< 2	1,1,1-Trichloroethane	<
Chloroethane	< 2	1,1,2-Trichloroethane	<
2-Chloroethylvinyl ether	< 2	Trichloroethene	49
Chloroform	2.3	Toluene	1,70
Chloromethane	< 2	Vinyl chloride	<
Dibromochloromethane	< 2	1,2-Dichlorobenzene	<
1,1-Dichloroethane	27	1,3-Dichlorobenzene	<
1,2-Dichloroethane	3.9	1,4-Dichlorobenzene	<
1,1-Dichloroethene	13		

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NOTE: Method 8240 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061467	Soil, #B-8, R-2

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS
results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
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NOTE: Method 8040 of the EPA was used for this analysis.

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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061467	Soil, #B-8, R-2

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	270
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	3.5

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

mpr

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ttn: Bob Breynaert

Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

ample Number	Sample Description
7061460	Soil, #B-8, R-3

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppm

crolein		-	trans-1,2-Dichloroethene	<	50
crylonitrile		-	1,2-Dichloropropane	<	50
enzene		-	1,3-Dichloropropene	<	[illegible]
romomethane	<	50	Ethylbenzene		
romodichloromethane	<	50	Methylene chloride		2,400
romoform	<	50	1,1,2,2-Tetrachloroethane	<	50
arbon tetrachloride	<	50	Tetrachloroethene		6.[illegible]
hlorobenzene		-	1,1,1-Trichloroethane		1,500
hloroethane	<	50	1,1,2-Trichloroethane	<	50
-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
hloroform	<	50	Toluene		-
hloromethane	<	50	Vinyl chloride	<	50
ibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
,1-Dichloroethane		34	1,3-Dichlorobenzene	<	50
,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
,1-Dichloroethene	<	50			

EQUOIA ANALYTICAL LABORATORY

rthur G. Burton
aboratory Director

NOTE: Method 8010 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061461	Soil, #B-8, R-4

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS

results in ppb

Acrolein	-
Acrylonitrile	-
Benzene	-
Bromomethane	< 250
Bromodichloromethane	< 250
Bromoform	< 250
Carbon tetrachloride	< 250
Chlorobenzene	-
Chloroethane	< 250
2-Chloroethylvinyl ether	< 250
Chloroform	< 250
Chloromethane	< 250
Dibromochloromethane	< 250
1,1-Dichloroethane	980
1,2-Dichloroethane	< 250
1,1-Dichloroethene	< 250
trans-1,2-Dichloroethene	< 2
1,2-Dichloropropane	< 2
1,3-Dichloropropene	< 2
Ethylbenzene	
Methylene chloride	71,0
1,1,2,2-Tetrachloroethane	< 2
Tetrachloroethene	3
1,1,1-Trichloroethane	22,0
1,1,2-Trichloroethane	< 2
Trichloroethene	8
Toluene	
Vinyl chloride	< 2
1,2-Dichlorobenzene	< 2
1,3-Dichlorobenzene	< 2
1,4-Dichlorobenzene	< 2

SEQUOIA ANALYTICAL LABORATORY

John G. Burton
Laboratory Director

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NOTE: Method 8010 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061461	Soil, #B-8, R-4

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS
results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

NOTE: Method 8040 of the EPA was used for this analysis.

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Attn: Bob Breynaert

Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061461	Soil, #B-8, R-4

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	15
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	< 1.0

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

ample Number	Sample Description
7061462	Soil, #B-8, R-5

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

crolein		-	trans-1,2-Dichloroethene	<	50
crylonitrile		-	1,2-Dichloropropane	<	50
enzene		-	1,3-Dichloropropene	[illegible]	[illegible]
romomethane	<	50	Ethylbenzene	[illegible]	[illegible]
romodichloromethane	<	50	Methylene chloride		8,900
romoform	<	50	1,1,2,2-Tetrachloroethane	<	50
arbon tetrachloride	<	50	Tetrachloroethene	<	50
hlorobenzene		-	1,1,1-Trichloroethane		2,300
hloroethane	<	50	1,1,2-Trichloroethane	<	50
-Chloroethylvinyl ether	<	50	Trichloroethene		88
hloroform	<	50	Toluene		-
hloromethane	<	50	Vinyl chloride	<	50
ibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
,1-Dichloroethane		200	1,3-Dichlorobenzene	<	50
,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
,1-Dichloroethene	<	50			

SEQUOIA ANALYTICAL LABORATORY

rthur G. Burton
aboratory Director

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NOTE: Method 8010 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/23/87
Date Reported: 06/26/87
Project No. JCO-104H

ample Number	Sample Description
7061463	Soil, #B-8, R-6

PRIORITY POLLUTANTS

VOLATILE ORGANIC COMPOUNDS
results in ppb

crolein		-	trans-1,2-Dichloroethene	<	50
crylonitrile		-	1,2-Dichloropropane	<	50
enzene		-	1,3-Dichloropropene	<	50
romomethane	<	50	Ethylbenzene		-
romodichloromethane	<	50	Methylene chloride		18,000
romoform	<	50	1,1,2,2-Tetrachloroethane	<	50
arbon tetrachloride	<	50	Tetrachloroethene	<	50
hlorobenzene		-	1,1,1-Trichloroethane		210
hloroethane	<	50	1,1,2-Trichloroethane	<	50
-Chloroethylvinyl ether	<	50	Trichloroethene	<	50
hloroform	<	50	Toluene		-
hloromethane	<	50	Vinyl chloride	<	50
ibromochloromethane	<	50	1,2-Dichlorobenzene	<	50
,1-Dichloroethane		760	1,3-Dichlorobenzene	<	50
,2-Dichloroethane	<	50	1,4-Dichlorobenzene	<	50
,1-Dichloroethene	<	50			

EQUOIA ANALYTICAL LABORATORY

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NOTE: Method 8010 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Extracted: 06/19/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061463	Soil, #B-8, R-6

PRIORITY POLLUTANTS

ACID EXTRACT ORGANICS
results in ppb

4-Chloro-3-methylphenol	< 100
2-Chlorophenol	< 100
2,4-Dichlorophenol	< 100
2,4-Dimethylphenol	< 100
2,4-Dinitrophenol	< 100
2-Methyl-4,6-dinitrophenol	< 100
2-Nitrophenol	< 100
4-Nitrophenol	< 100
Pentachlorophenol	< 100
Phenol	< 100
2,4,6-Trichlorophenol	< 100

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

NOTE: Method 8040 of the EPA was used for this analysis.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description
7061463	Soil, #B-8, R-6

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Acetone	1.0	13
Methanol	1.0	< 1.0
Ethanol	1.0	< 1.0
Isopropyl Alcohol	1.0	2.5

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description	Detection Limit	Total Hydrocarbons as Paint Thinner
	Soil	ppm	ppm
7061435	B-2, R-1	1.0	< 1.0
7061438	B-2, R-6	1.0	< 1.0
7061439	B-3, R-1	1.0	< 1.0
7061441	B-3, R-6	1.0	< 1.0
7061442	B-4, R-1	1.0	< 1.0
7061446	B-4, R-6	1.0	< 1.0
7061448	B-5, R-3	1.0	< 1.0
7061450	B-5, R-6	1.0	< 1.0
7061452	B-6, R-3	1.0	< 1.0
7061454	B-6, R-6	1.0	< 1.0
7061457	B-7, R-4	1.0	< 1.0
7061461	B-8, R-4	1.0	2,600
7061463	B-8, R-6	1.0	20
7061464	B-5, R-4	1.0	< 1.0
7061465	B-6, R-4	1.0	< 1.0
7061466	B-7, R-3	1.0	< 1.0
7061467	B-8, R-2	1.0	11,000
7061459	B-7, R-6	1.0	< 1.0

NOTE: Analysis was performed using EPA methods 3550 and 8015.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description	Detection Limit ppm	Total Hydrocarbons as Laquer Thinner ppm
	Soil		
7061435	B-2, R-1	1.0	< 1.0
7061438	B-2, R-6	1.0	< 1.0
7061439	B-3, R-1	1.0	< 1.0
7061441	B-3, R-6	1.0	< 1.0
7061442	B-4, R-1	1.0	< 1.0
7061446	B-4, R-6	1.0	< 1.0
7061448	B-5, R-3	1.0	< 1.0
7061450	B-5, R-6	1.0	< 1.0
7061452	B-6, R-3	1.0	< 1.0
7061454	B-6, R-6	1.0	< 1.0
7061457	B-7, R-4	1.0	< 1.0
7061461	B-8, R-4	1.0	< 1.0
7061463	B-8, R-6	1.0	< 1.0
7061464	B-5, R-4	1.0	< 1.0
7061465	B-6, R-4	1.0	< 1.0
7061466	B-7, R-3	1.0	< 1.0
7061467	B-8, R-2	1.0	< 1.0
7061459	B-8, R-6	1.0	< 1.0

NOTE: Analysis was performed using EPA methods 3550 and 8015.

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Date Sampled: 06/10/87
Date Received: 06/10/87
Date Reported: 06/26/87
Project No. JCO-104H

Sample Number	Sample Description	Detection Limit	Total Hydrocarbons as Kerosene
	Soil	ppm	ppm
7061435	B-2, R-1	1.0	< 1.0
7061438	B-2, R-6	1.0	< 1.0
7061439	B-3, R-1	1.0	< 1.0
7061441	B-3, R-6	1.0	< 1.0
7061442	B-4, R-1	1.0	< 1.0
7061446	B-4, R-6	1.0	< 1.0
7061448	B-5, R-3	1.0	< 1.0
7061450	B-5, R-6	1.0	< 1.0
7061452	B-6, R-3	1.0	< 1.0
7061453	B-6, R-6	1.0	< 1.0
7061457	B-7, R-4	1.0	< 1.0
7061461	B-8, R-4	1.0	< 1.0
7061463	B-8, R-6	1.0	< 1.0
7061464	B-5, R-4	1.0	< 1.0
7061465	B-6, R-4	1.0	< 1.0
7061466	B-7, R-3	1.0	< 1.0
7061467	B-8, R-2	1.0	< 1.0
7061459	B-7, R-6	1.0	< 1.0

NOTE: Analysis was performed using EPA methods 3550 and 8015.

SEQUOIA ANALYTICAL LABORATORY

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Attn: Bob Breynaert

Date Sampled: 10/02/87
Date Received: 10/02/87
Date Reported: 10/16/87
Project No. JCO-104H

Sample Number	Sample Description
7100210	Soil, WA-1

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Benzene	0.1	3.0
Toluene	0.1	0.55
Xylenes	0.1	9.6

NOTE: Analysis was performed using EPA methods 5020 and 8020.

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Date Sampled: 10/02/87
Date Received: 10/02/87
Date Reported: 10/16/87
Project No. JCO-104H

Sample Number	Sample Description
7100211	Soil, WA-2

ANALYSIS

	Detection Limit ppm	Sample Results ppm
Benzene	0.1	0.39
Toluene	0.1	0.77
Xylenes	0.1	7.8

NOTE: Analysis was performed using EPA methods 5020 and 8020.

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Date Sampled: 10/02/87
Date Received: 10/02/87
Date Reported: 10/16/87
Project No. JCO-104H

Sample Number	Sample Description	Detection Limit	Total Hydrocarbons as Diesel
	Soil	ppm	ppm
7100210	WA-1	1	360
7100211	WA-2	1	59

NOTE: Analysis was performed using EPA methods 3550 and 8015.

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

Wahler Associates

W.A. PROJECT NO. JCO-10

Geotechnical and Water Resources Engineering

ANALYSIS REQUEST FORM

Page 1 of 1

Sequoia Date Sample Shipped 10-2-87

Wahler Associates will indicate a contact person and phone number which the Lab staff can use to obtain or verify the appropriate analytical requirements.

Your Sample I.D.	Matrix	Container	Analysis Requested
WA-1	SOIL	Brass Liner	THC as Diesel; BTX
WA-2	SOIL	Brass Liner	THC as Diesel; BTX

	Relinquished by	Date	Time	Received by (3)	Date	Time
1.	[illegible]	10/2/87	450pm	[illegible]	10/2/87	450pm
		/ /			/ /	
2.		/ /			/ /	
		/ /			/ /	
3.		/ /			/ /	
		/ /			/ /	

Comments 10-15 day Turnaround
Written Results by Friday October 16, 1987

Contact Person Bob Braynard (415) 968-6250
Name Telephone

Lab Project Manager (if known) Scott Cocanour

V 10
Soil Sample
analyses

SEQUOIA Analytical Laboratory
2549 Middlefield Road
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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 03/04/88
Date Received: 03/08/88
Date Reported: 03/15/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	depth	Detection Limit ppm	High Boiling Point Hydrocarbons ppm
8030558	R-3	8.0-8.5	1	< 1.0
8030559	R-4	11-11.5	1	< 1.0
8030560	R-6	16-16.5	1	< 1.0
8030561	R-7	21-21.5	1	< 1.0
8030562	R-8	26-26.5	1	< 1.0
8030563	R-9	31-31.5	1	< 1.0

Method of Analysis: EPA 3550/8015

SEQUOIA ANALYTICAL LABORATORY

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Arthur G. Burton
Laboratory Director

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Attn: Bob Breynaert

Date Sampled: 03/04/88
Date Received: 03/08/88
Date Analyzed: 03/10/88
Date Reported: 03/14/88

Project: #JCO-104H

Sample Number	Sample Description
8030558	Soil, R-3

PRIORITY POLLUTANTS

PURGEABLE AROMATICS
results in ppb

Benzene	< 50
Chlorobenzene	< 50
Ethylbenzene	< 50
Toluene	< 50
1,2-Dichlorobenzene	< 50
1,3-Dichlorobenzene	< 50
1,4-Dichlorobenzene	< 50

Method of Analysis: EPA 8020

SEQUOIA ANALYTICAL LABORATORY

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Laboratory Director

V-10

SEQUOIA Analytical Laboratory
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Attn: Bob Breynaert

Date Sampled: 03/04/88
Date Received: 03/08/88
Date Analyzed: 03/10/88
Date Reported: 03/14/88

Project: #JCO-104H

Sample Number	Sample Description
8030559	Soil, R-4

PRIORITY POLLUTANTS

PURGEABLE AROMATICS
results in ppb

Benzene	< 50
Chlorobenzene	< 50
Ethylbenzene	< 50
Toluene	< 50
1,2-Dichlorobenzene	< 50
1,3-Dichlorobenzene	< 50
1,4-Dichlorobenzene	< 50

Method of Analysis: EPA 8020

SEQUOIA ANALYTICAL LABORATORY

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Date Sampled: 03/04/88
Date Received: 03/08/88
Date Analyzed: 03/10/88
Date Reported: 03/14/88

Project: #JCO-104H

Sample Number	Sample Description
8030560	Soil, R-6

PRIORITY POLLUTANTS

PURGEABLE AROMATICS
results in ppb

Benzene	< 50
Chlorobenzene	< 50
Ethylbenzene	< 50
Toluene	< 50
1,2-Dichlorobenzene	< 50
1,3-Dichlorobenzene	< 50
1,4-Dichlorobenzene	< 50

Method of Analysis: EPA 8020

SEQUOIA ANALYTICAL LABORATORY

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Date Sampled: 03/04/88
Date Received: 03/08/88
Date Analyzed: 03/10/88
Date Reported: 03/14/88

Project: #JCO-104H

Sample Number	Sample Description
8030561	Soil, R-7

PRIORITY POLLUTANTS

PURGEABLE AROMATICS
results in ppb

Benzene	< 50
Chlorobenzene	< 50
Ethylbenzene	< 50
Toluene	< 50
1,2-Dichlorobenzene	< 50
1,3-Dichlorobenzene	< 50
1,4-Dichlorobenzene	< 50

Method of Analysis: EPA 8020

SEQUOIA ANALYTICAL LABORATORY

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Date Sampled: 03/04/88
Date Received: 03/08/88
Date Analyzed: 03/10/88
Date Reported: 03/14/88

Project: #JCO-104H

Sample Number	Sample Description
8030562	Soil, R-8

PRIORITY POLLUTANTS

PURGEABLE AROMATICS
results in ppb

Benzene	< 50
Chlorobenzene	< 50
Ethylbenzene	< 50
Toluene	< 50
1,2-Dichlorobenzene	< 50
1,3-Dichlorobenzene	< 50
1,4-Dichlorobenzene	< 50

Method of Analysis: EPA 8020

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Attn: Bob Breynaert

Date Sampled: 03/04/88
Date Received: 03/08/88
Date Analyzed: 03/10/88
Date Reported: 03/14/88

Project: #JCO-104H

Sample Number	Sample Description
8030563	Soil, R-9

PRIORITY POLLUTANTS

PURGEABLE AROMATICS
results in ppb

Benzene	< 50
Chlorobenzene	< 50
Ethylbenzene	< 50
Toluene	< 50
1,2-Dichlorobenzene	< 50
1,3-Dichlorobenzene	< 50
1,4-Dichlorobenzene	< 50

Method of Analysis: EPA 8020

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Wahler Associates
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Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 03/04/88
Date Received: 03/08/88
Date Reported: 03/14/88

Q.C. DATA REPORT

Analyst: M. Giles
Date of Analysis: 3/11/88
Method of Analysis: 8020
Detection Limit: 50
Units: ppb

Sample Number	Analyte	Original Result	Duplicate Result	% Deviation
8030561	Benzene	< 5.0	< 50	0.0

Sample Number	Analyte	Sample Contribution	Spike Added	Spike Result	% Recovery
8030561	Benzene	< 50	100	107	107

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Date Sampled: 03/04/88
Date Received: 03/08/88
Date Reported: 03/14/88

Q.C. DATA REPORT

Analyst: E. Esilius
Date of Analysis: 3/10/88
Method of Analysis: Diesel
Detection Limit: 1.0
Units: ppm

Sample Number	Analyte	Original Result	Duplicate Result	% Deviation
8030559	TPH-Diesel	< 1.0	< 1.0	0.0

Sample Number	Analyte	Sample Contribution	Spike Added	Spike Result	% Recovery
8030559	TPH-Diesel	< 1.0	12	8.3	69

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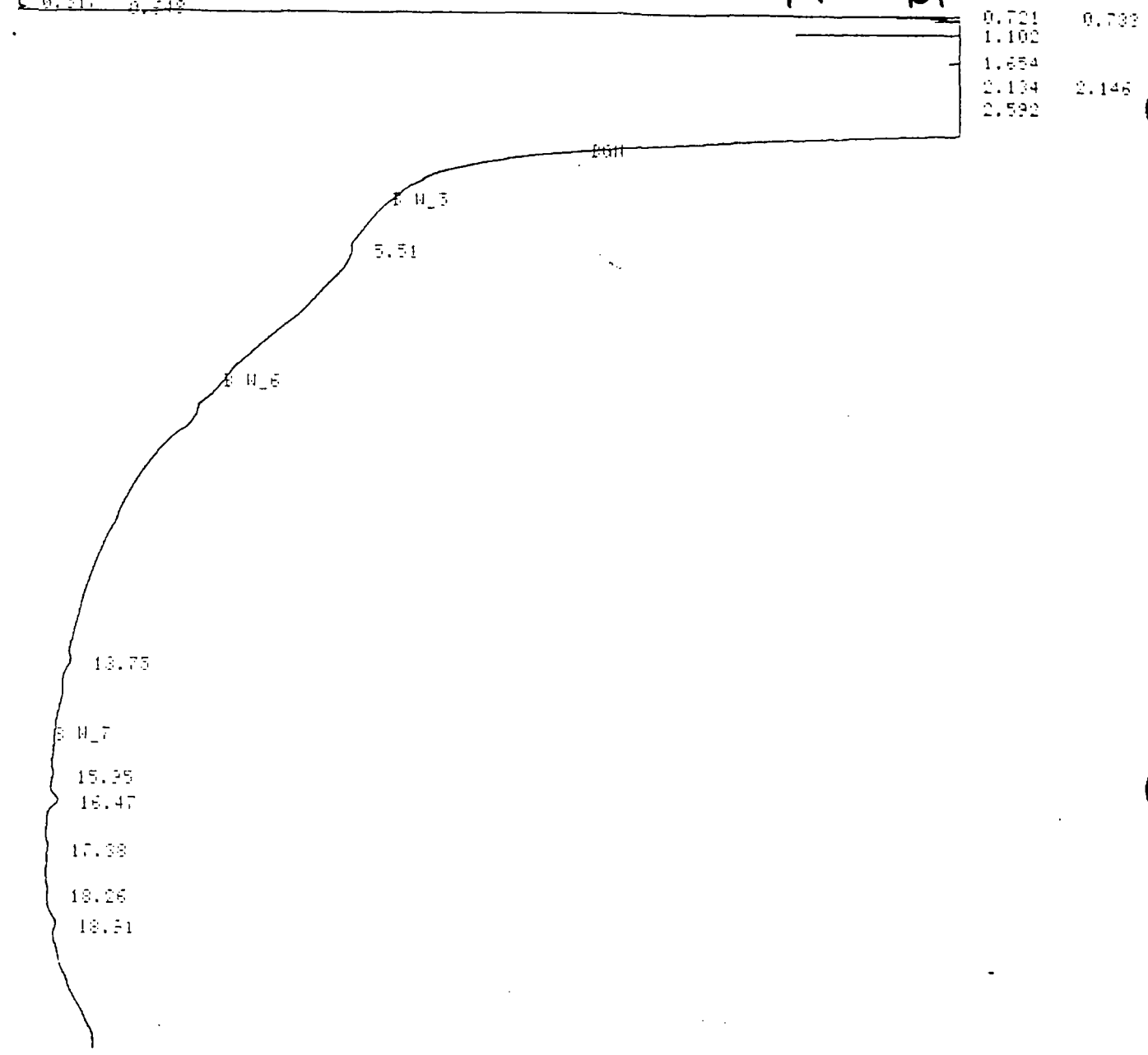
3A Blank

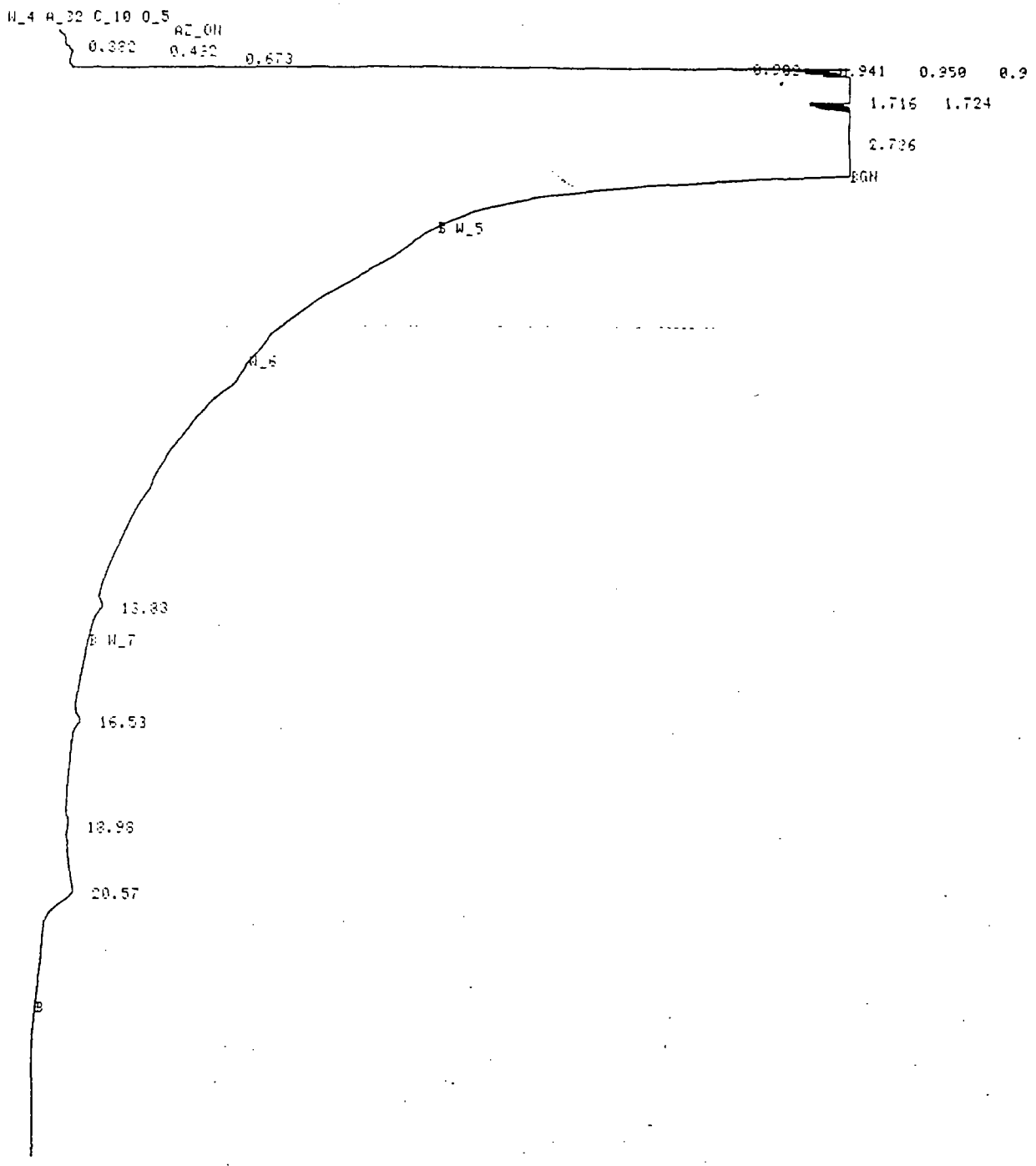


FILE 164 RUN 160 STARTED 02:55.3 80/01/09 HIGH BOILERS
% METHOD 1 DIESELS LAST EDITED 00:29.4 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
5.51	380123	1.7531		78.6458	19.0501
13.75	15182	1.1617		3.1411	12.6235
15.95	9201	0.6698	V	1.9036	7.2786
16.47	34274	2.7572	V	7.0911	29.9608
17.38	11675	0.7881	V	2.4155	8.5633
18.26	4794	0.3978	V	0.9918	4.3227
18.91	28087	1.6750	V	5.8111	18.2010

7 PEAKS > AREA REJECT 483336 TOTAL AREA
7 PEAKS > HEIGHT REJECT 9.2028 TOTAL HEIGHT

FILE 114 RUN 13 STARTED 23:24.1 80/01/06 24HR RUSHES 3A 8036558 (4:1)
% METHOD 1 HIGHBOIL LAST EDITED 18:01.1 80/01/06

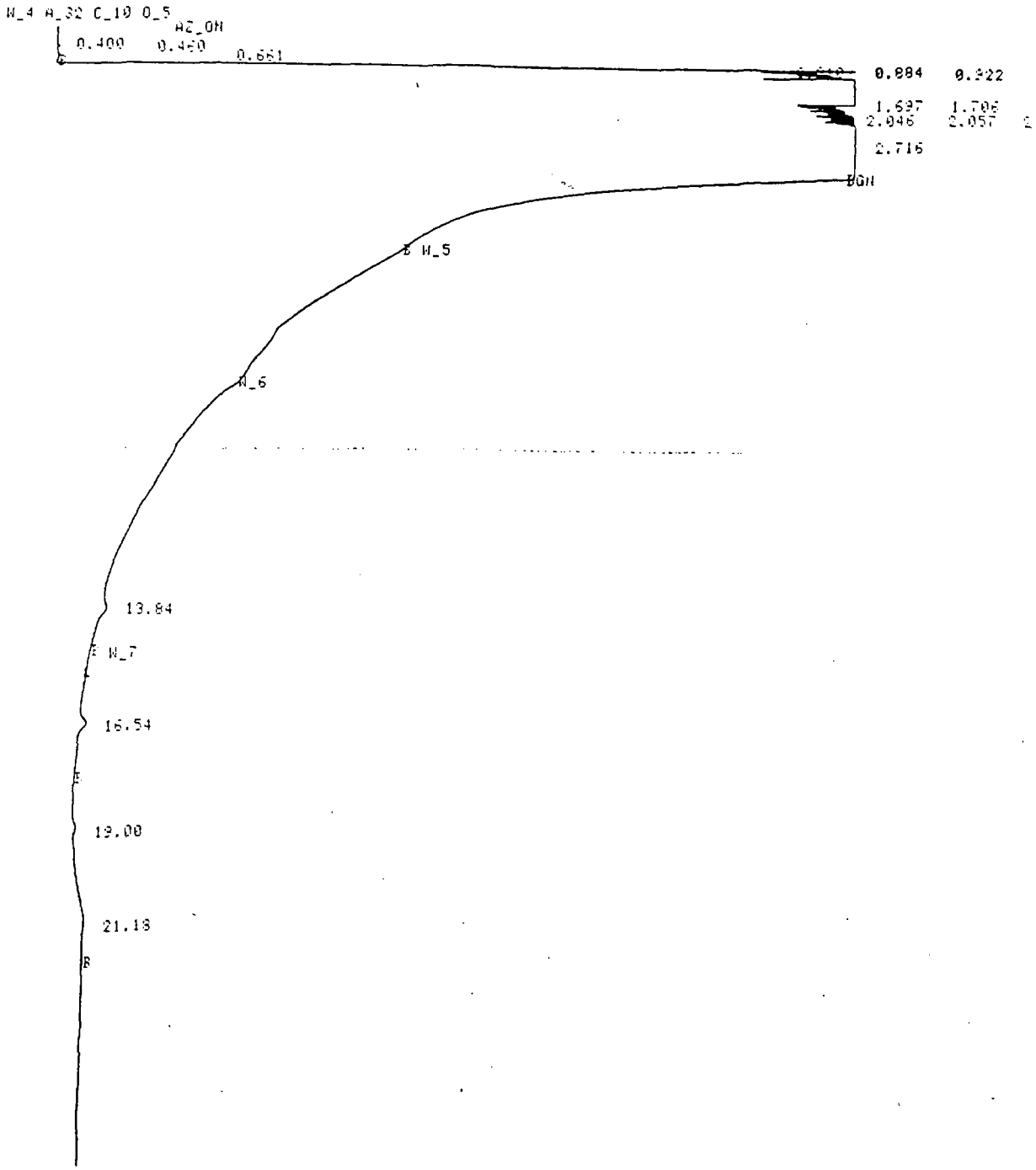


FILE 114 RUN 13 STARTED 23:24.1 80/01/06 24HR RUSHES
% METHOD 1 HIGHBOIL LAST EDITED 18:01.1 80/01/06

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
13.83	37389	2.2432		17.1096	19.3396
16.53	545	2.2362	V	0.2492	19.2796
18.98	12936	0.8794	V	5.9197	7.5820
20.57	167655	6.2401		76.7215	53.7988

4 PEAKS > AREA REJECT 216524 TOTAL AREA
4 PEAKS > HEIGHT REJECT 11.5989 TOTAL HEIGHT

FILE 115 RUN 14 STARTED 23:53.9 80/01/06 24HR RUSHES 3A 8030559 (4:1)
% METHOD 1 HIGHBOIL LAST EDITED 18:01.1 80/01/06

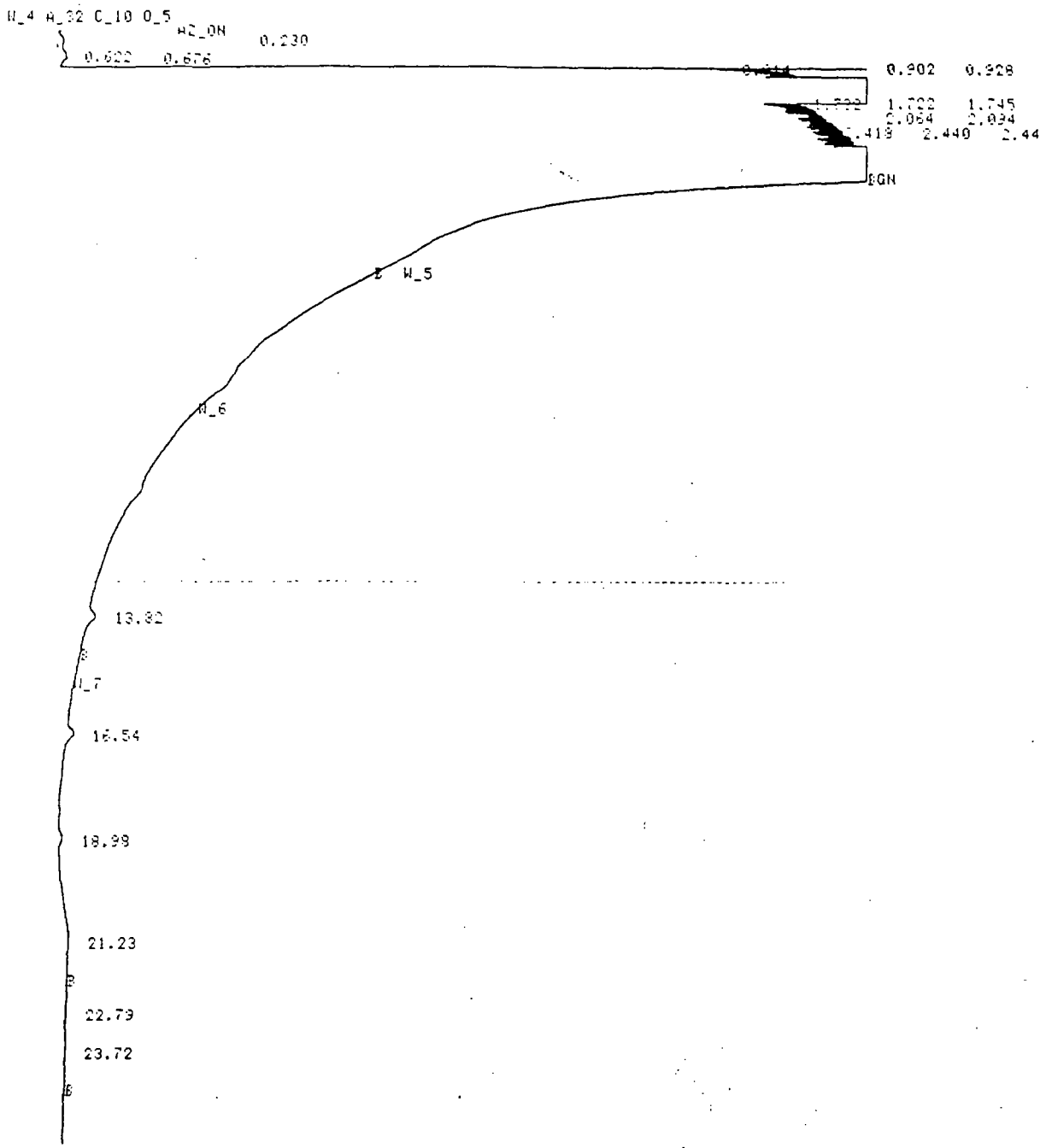


FILE 115 RUN 14 STARTED 23:53.9 80/01/06 24HR RUSHES
% METHOD 1 HIGHBOIL LAST EDITED 18:01.1 80/01/06

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
13.84	32873	2.0917		16.4816	27.3939
16.54	36253	2.6662		18.1763	34.9045
19.00	16471	1.1360	V	8.2581	14.8725
21.18	113855	1.7446		57.0833	22.8331

4 PEAKS > AREA REJECT 199452 TOTAL AREA
4 PEAKS > HEIGHT REJECT 7.6385 TOTAL HEIGHT

FILE 116 RUN 15 STARTED 00:32.9 80/01/07 24HR RUSHES 3λ 8030560 (4:1)
% METHOD 1 HIGHBOIL LAST EDITED 18:01.1 80/01/06



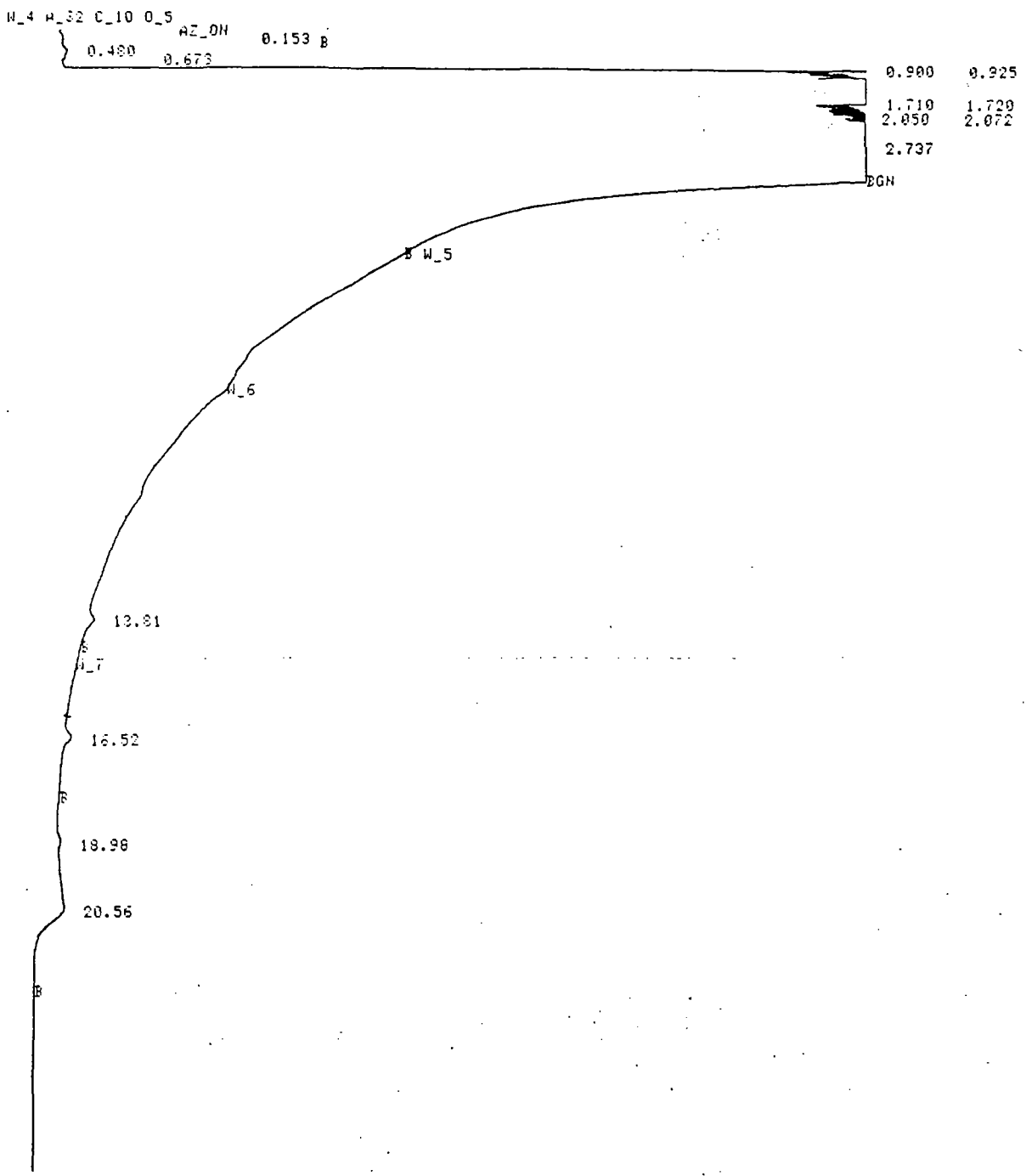
FILE 116 RUN 15 STARTED 00:32.9 80/01/07 24HR RUSHES
% METHOD 1 HIGHBOIL LAST EDITED 18:01.1 80/01/06

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
13.82	44842	3.0125		21.3961	32.1940
16.54	4890	2.9325	V	2.3333	31.3394
18.98	21422	1.3875	V	10.2215	14.8282
21.23	129337	1.6539		61.7132	17.6745
22.79	3980	0.1457	V	1.8991	1.5569
23.72	5107	0.2252		2.4368	2.4071

6 PEAKS > AREA REJECT 209578 TOTAL AREA
6 PEAKS > HEIGHT REJECT 9.3572 TOTAL HEIGHT

KEYBOARD DIRECTED EVENTS
TIME EVENT VALUE
26.068 Stop Data

FILE 117 RUN 16 STARTED 01:06.6 80/01/07 24HR RUSHES 3λ 8030561 (4:1)
% METHOD 1 HIGHBOIL LAST EDITED 18:01.1 80/01/06



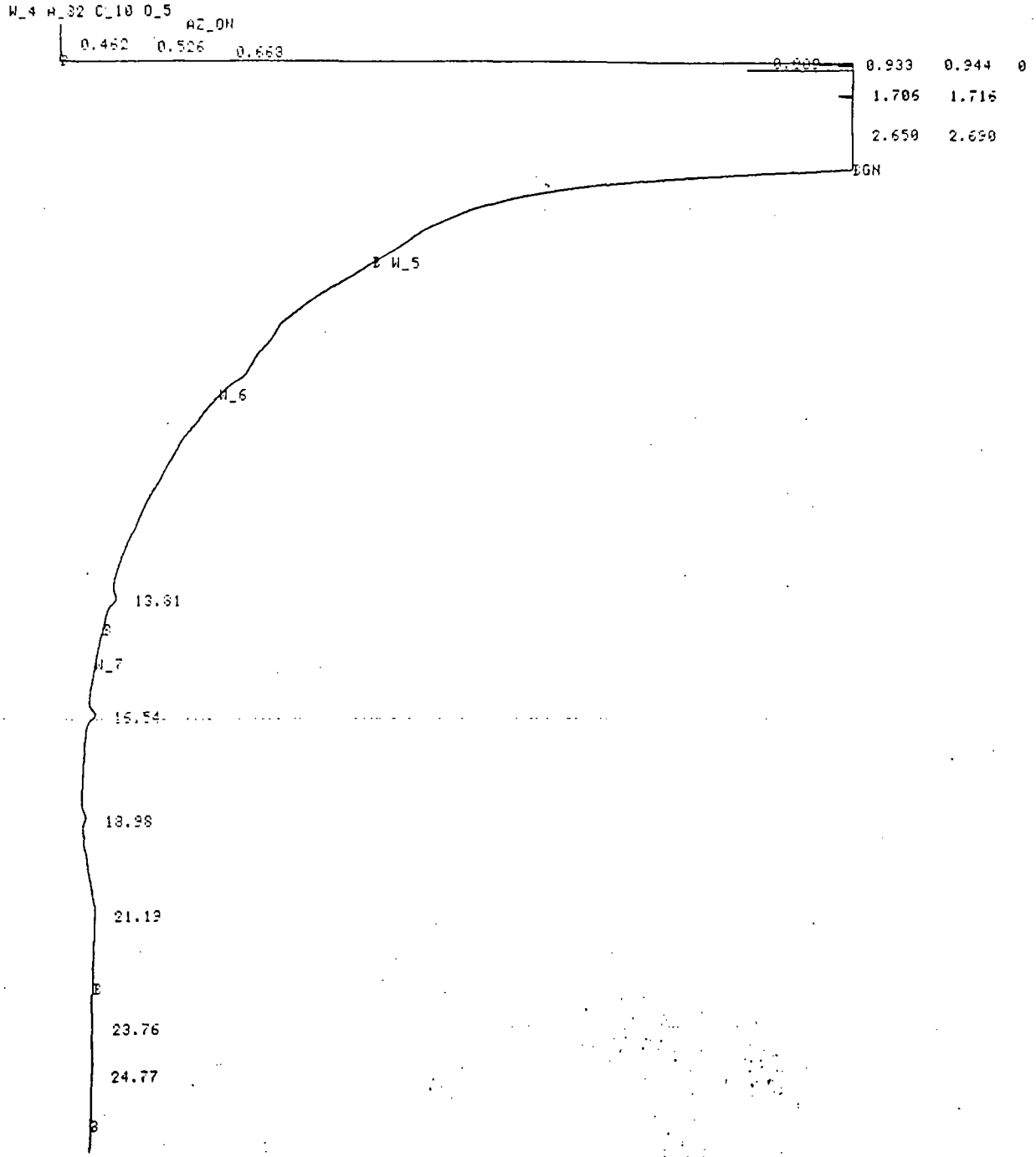
FILE 117 RUN 16 STARTED 01:06.6 80/01/07 24HR RUSHES
% METHOD 1 HIGHBOIL LAST EDITED 18:01.1 80/01/06

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
13.81	43195	2.6941		14.6944	21.4638
16.52	32637	2.6625		11.1027	21.2122
18.98	16309	1.0738	V	5.5480	8.5553
20.56	201915	6.1213		68.6549	48.7687

4 PEAKS > AREA REJECT 293955 TOTAL AREA
4 PEAKS > HEIGHT REJECT 12.5517 TOTAL HEIGHT

KEYBOARD DIRECTED EVENTS
TIME EVENT VALUE

FILE 119 RUN 17 STARTED 01:36.8 80/01/07 24HR RUSHES 31 8030562 4:1
% METHOD 1 HIGHBOIL LAST EDITED 16:01.1 80/01/06

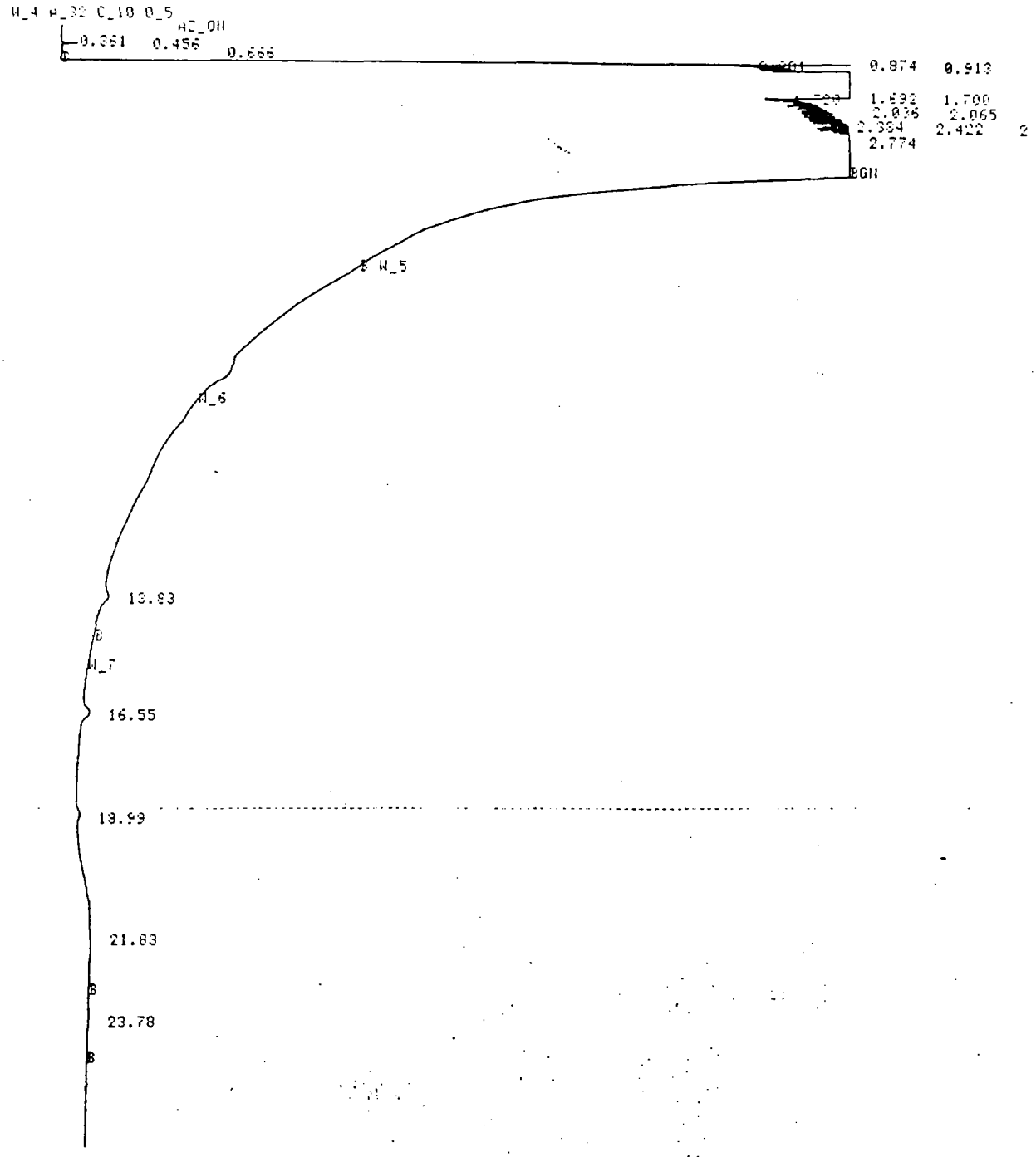


FILE 119 RUN 17 STARTED 01:36.8 80/01/07 24HR RUSHES
% METHOD 1 HIGHBOIL LAST EDITED 18:01.1 80/01/06

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
13.81	31758	2.1206		8.5967	22.3288
16.54		2.7734	V		29.2021
18.98	19023	1.2849	V	5.1493	13.5286
21.19	303893	2.8764		82.2623	30.2864
23.76	5255	0.2066	V	1.4225	2.1750
24.77	9491	0.2354		2.5690	2.4791

5 PEAKS > AREA REJECT 369419 TOTAL AREA
6 PEAKS > HEIGHT REJECT 9.4973 TOTAL HEIGHT

FILE 120 RUN 19 STARTED 02:57.2 80/01/07 24HR RUSHES 3 λ 8030563 4:1
% METHOD 1 HIGHBOIL LAST EDITED 18:01.1 80/01/06



FILE 120 RUN 19 STARTED 02:57.2 80/01/07 24HR RUSHES
% METHOD 1 HIGHBOIL LAST EDITED 16:01.1 60/01/06

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
13.83	35813	2.2598		9.5176	25.3265
16.55	8932	2.9252	V	2.3738	32.7841
18.99	19438	1.3005	V	5.1658	14.5756
21.83	305482	2.1812		81.1854	24.4458
23.78	6613	0.2559		1.7575	2.8679

5 PEAKS > AREA REJECT 376277 TOTAL AREA
5 PEAKS > HEIGHT REJECT 8.9225 TOTAL HEIGHT

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/12/88
Date Reported: 04/19/88

Project: #JCO-104H

Sample Number	Sample Description
8040270	Soil, B-9, R-1

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 100	1,2-Dichloropropane	< 100
Bromomethane	< 100	1,3-Dichloropropane	< 100
Bromodichloromethane	< 100	Ethylbenzene	< 100
Bromoform	< 100	Methylene chloride	9,300
Carbon tetrachloride	< 100	1,1,2,2-Tetrachloroethane	< 100
Chlorobenzene	< 100	Tetrachloroethene	< 100
Chloroethane	< 100	1,1,1-Trichloroethane	340
2-Chloroethylvinyl ether	< 500	1,1,2-Trichloroethane	< 100
Chloroform	< 500	Trichloroethene	< 100
Chloromethane	< 100	Toluene	2,300
Dibromochloromethane	< 100	Vinyl chloride	< 100
1,1-Dichloroethane	160		
1,2-Dichloroethane	< 100		
1,1-Dichloroethene	< 100		
trans-1,2-Dichloroethene	< 100		

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/12/88
Date Reported: 04/19/88

Project: #JCO-104H

Sample Number	Sample Description
8040270	Soil, B-9, R-1

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

1H-Indene, Octahydro	1,000
Cyclohexane, 1-Ethyl-2-Methyl	380
Cyclopentane, 1-Methyl-3-(1-Methylethyl)	1,200
Cyclohexane, Propyl	3,000
2-Propanone	24,000
Total Xylenes	450

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/19/88
Project: #JCO-104H

Sample Number	Sample Description
8040270	Soil, B-9, R-1

ANALYSIS

results in ppm

Ethanol	< 1.0
Acetone	16
Isopropanol	< 1.0

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/12/88
Date Reported: 04/19/88

Project: #JCO-104H

Sample Number	Sample Description
8040270	Soil, B-9, R-1

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/19/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040270	B-9, R-1	1	16	as Lacquer Thinner
8040271	B-9, R-1	1	96	as Paint Thinner
8040272	B-9, R-1	1	< 1.0	as Kerosene
8040273	B-9, R-1	1	< 1.0	as Diesel

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/12/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040271	Soil, B-9, R-2

(Amended Report)
PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 500	1,2-Dichloropropane	< 500
Bromomethane	< 500	1,3-Dichloropropane	< 500
Bromodichloromethane	< 500	Ethylbenzene	3000
Bromoform	< 500	Methylene chloride	42000
Carbon tetrachloride	< 500	1,1,2,2-Tetrachloroethane	< 500
Chlorobenzene	< 500	Tetrachloroethene	870
Chloroethane	< 500	1,1,1-Trichloroethane	30000
2-Chloroethylvinyl ether	< 2500	1,1,2-Trichloroethane	< 500
Chloroform	< 500	Trichloroethene	1400
Chloromethane	< 500	Toluene	38000
Dibromochloromethane	< 500	Vinyl chloride	< 500
1,1-Dichloroethane	2200		
1,2-Dichloroethane	< 500		
1,1-Dichloroethene	< 500		
trans-1,2-Dichloroethene	< 500		

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/12/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040271	Soil, B-9, R-2

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

Cyclopentane, 1,3-Dimethyl-(or Isomer)	5,600
Cyclohexane, Methyl-(or Isomer)	24,000
Cyclopentane, Ethyl-(or Isomer)	1,900
Hexane, 2-Methyl-(or Isomer)	7,300
1H-Indene, Octahydro-(or Isomer)	12,000
Decane, 2,5,6-Trimethyl-(or Isomer)	21,000
Cyclohexane, 1-Ethyl,2-Methyl-(or Isomer)	6,800
Cyclopentane, 1-Methyl-3-(1-Methylethyl)-(or Isomer)	9,600
Cyclohexane, 1,2,4-Trimethyl-(or Isomer)	3,500
Cyclohexane, Propyl-(or Isomer)	38,000
2-Propanone	25,000
Total Xylenes	18,000

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040271	Soil, B-9, R-2

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	25
Isopropanol	1.5

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040271	Soil, B-9, R-2

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040271	B-9, R-2	1	< 1.0	as Diesel
8040271	B-9, R-2	1	< 1.0	as Lacquer Thinn
8040271	B-9, R-2	1	5,000	as Paint Thi[illegible]
8040271	B-9, R-2	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/13/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040272	Soil, B-9, R-3

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 400	1,2-Dichloropropane	< 400
Bromomethane	< 400	1,3-Dichloropropane	< 400
Bromodichloromethane	< 400	Ethylbenzene	4200
Bromoform	< 400	Methylene chloride	21000
Carbon tetrachloride	< 400	1,1,2,2-Tetrachloroethane	< 400
Chlorobenzene	< 400	Tetrachloroethene	1300
Chloroethane	< 400	1,1,1-Trichloroethane	28000
2-Chloroethylvinyl ether	< 2000	1,1,2-Trichloroethane	< 400
Chloroform	< 2000	Trichloroethene	1500
Chloromethane	< 400	Toluene	41000
Dibromochloromethane	< 400	Vinyl chloride	< 400
1,1-Dichloroethane	680		
1,2-Dichloroethane	< 400		
1,1-Dichloroethene	< 400		
trans-1,2-Dichloroethene	< 400		

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/13/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040272	Soil, B-9, R-3

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

Cyclopentane, 1,3-Dimethyl-(or Isomer)	5,600
Cyclohexane, Methyl-(or Isomer)	20,000
Cyclopentane, Ethyl-(or Isomer)	1,800
Hexane, 3-Methyl-(or Isomer)	7,100
1H-Indene, Octahydro-(or Isomer)	15,000
Cyclohexane, 1-Ethyl-2-Methyl-(or Isomer)	6,400
Cyclopentane, 1-Methyl-3-(1-Methylethyl)-(or Isomer)	10,000
Cyclohexane, 1,2,4,-Trimethyl-(or Isomer)	4,300
Cyclohexane, Propyl-(or Isomer)	30,000
2-Propanone	6,200
Total Xylenes	27,000

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040272	Soil, B-9, R-3

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	1.8
Isopropanol	< 1.0

SEQUOIA ANALYTICAL LABORATORY

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040272	Soil, B-9, R-3

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

SEQUOIA ANALYTICAL LABORATORY

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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040272	B-9, R-3	1	< 1.0	as Diesel
8040272	B-9, R-3	1	< 1.0	as Lacquer Thinn
8040272	B-9, R-3	1	2,000	as Paint Thinner
8040272	B-9, R-3	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/14/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040273	Soil, B-9, R-4

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 100	1,2-Dichloropropane	< 100
Bromomethane	< 100	1,3-Dichloropropane	< 100
Bromodichloromethane	< 100	Ethylbenzene	< 100
Bromoform	< 100	Methylene chloride	7400
Carbon tetrachloride	< 100	1,1,2,2-Tetrachloroethane	< 100
Chlorobenzene	< 100	Tetrachloroethene	< 100
Chloroethane	< 100	1,1,1-Trichloroethane	290
2-Chloroethylvinyl ether	< 500	1,1,2-Trichloroethane	< 100
Chloroform	< 500	Trichloroethene	< 100
Chloromethane	< 100	Toluene	270
Dibromochloromethane	< 100	Vinyl chloride	< 100
1,1-Dichloroethane	230		
1,2-Dichloroethane	< 100		
1,1-Dichloroethene	< 100		
trans-1,2-Dichloroethene	< 100		

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/14/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040273	Soil, B-9, R-4

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

1H-Indene, Octahydro-(or Isomer)	650
Cyclohexane, 1-Ethyl-2-Methyl	310
Cyclopentane, 1-Methyl-3-(1-Methyethyl)-(or Isomer)	290
Cyclohexane, Propyl-)or Isomer)	850
2-Propanone	5100

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040273	Soil, B-9, R-4

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	2.7
Isopropanol	< 1.0

SEQUOIA ANALYTICAL LABORATORY

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040273	Soil, B-9, R-4

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040273	B-9, R-4	1	< 1.0	as Diesel
8040273	B-9, R-4	1	< 1.0	as Lacquer Thinn
8040273	B-9, R-4	1	29	as Paint Thi
8040273	B-9, R-4	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/16/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040274	Soil, B-9, R-5

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	<	400
Bromomethane	<	400
Bromodichloromethane	<	400
Bromoform	<	400
Carbon tetrachloride	<	400
Chlorobenzene	<	400
Chloroethane	<	400
2-Chloroethylvinyl ether	<	2000
Chloroform	<	2000
Chloromethane	<	400
Dibromochloromethane	<	400
1,1-Dichloroethane	<	400
1,2-Dichloroethane	<	400
1,1-Dichloroethene	<	400
trans-1,2-Dichloroethene	<	400
1,2-Dichloropropane	<	400
1,3-Dichloropropane	<	400
Ethylbenzene	<	400
Methylene chloride		16000
1,1,2,2-Tetrachloroethane	<	400
Tetrachloroethene	<	400
1,1,1-Trichloroethane	<	400
1,1,2-Trichloroethane	<	400
Trichloroethene	<	400
Toluene		480
Vinyl chloride	<	400

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/16/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040274	Soil, B-9, R-5

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

2-Propanone	8,000

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040274	Soil, B-9, R-5

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	12
Isopropanol	< 1.0

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040274	Soil, B-9, R-5

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040274	B-9, R-5	1	< 1.0	as Diesel
8040274	B-9, R-5	1	< 1.0	as Lacquer Thinn
8040274	B-9, R-5	1	< 1.0	as Paint Thinner
8040274	B-9, R-5	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040275	Soil, B-9, R-6

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	<	200	1,2-Dichloropropane	<	200
Bromomethane	<	200	1,3-Dichloropropane	<	200
Bromodichloromethane	<	200	Ethylbenzene	<	200
Bromoform	<	200	Methylene chloride		15000
Carbon tetrachloride	<	200	1,1,2,2-Tetrachloroethane	<	200
Chlorobenzene	<	200	Tetrachloroethene	<	200
Chloroethane	<	200	1,1,1-Trichloroethane	<	200
2-Chloroethylvinyl ether	<	1000	1,1,2-Trichloroethane	<	200
Chloroform	<	1000	Trichloroethene	<	200
Chloromethane	<	200	Toluene	<	200
Dibromochloromethane	<	200	Vinyl chloride	<	200
1,1-Dichloroethane	<	200			
1,2-Dichloroethane	<	200			
1,1-Dichloroethene	<	200			
trans-1,2-Dichloroethene	<	200			

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040275	Soil, B-9, R-6

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

2-Propanone	7,000

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040275	Soil, B-9, R-6

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	4.0
Isopropanol	< 1.0

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040275	Soil, B-9, R-6

PRIORITY POLLUTANTS

PHENOLS

results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040275	B-9, R-6	1	< 1.0	as Diesel
8040275	B-9, R-6	1	< 1.0	as Lacquer Thinne
8040275	B-9, R-6	1	< 1.0	as Paint Thinner
8040275	B-9, R-6	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/14/88
Date Reported: 04/19/88

Project: #JCO-104H

Sample Number	Sample Description
8040276	Soil, B-10, R-7

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 100	1,2-Dichloropropane	< 100
Bromomethane	< 100	1,3-Dichloropropane	< 100
Bromodichloromethane	< 100	Ethylbenzene	220
Bromoform	< 100	Methylene chloride	< 500
Carbon tetrachloride	< 100	1,1,2,2-Tetrachloroethane	< 100
Chlorobenzene	< 100	Tetrachloroethene	< 100
Chloroethane	< 100	1,1,1-Trichloroethane	< 100
2-Chloroethylvinyl ether	< 500	1,1,2-Trichloroethane	< 100
Chloroform	< 500	Trichloroethene	< 100
Chloromethane	< 100	Toluene	740
Dibromochloromethane	< 100	Vinyl chloride	< 100
1,1-Dichloroethane	< 100		
1,2-Dichloroethane	< 100		
1,1-Dichloroethene	< 100		
trans-1,2-Dichloroethene	< 100		

Method of Analysis: EPA 8240

SEQUOIA ANALYTICAL LABORATORY

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/14/88
Date Reported: 04/19/88

Project: #JCO-104H

Sample Number	Sample Description
8040276	Soil, B-10, R-7

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

Total Xylenes	2,100

SEQUOIA ANALYTICAL LABORATORY

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Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/19/88
Project: #JCO-104H

Sample Number	Sample Description
8040276	Soil, B-10, R-7

ANALYSIS

results in ppm

Ethanol	< 1.0
Acetone	< 1.0
Isopropanol	< 1.0

SEQUOIA ANALYTICAL LABORATORY

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WAHLER & ASSOC.

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 05/20/88

Project: #JCO-104H

Amended Report

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040276	B-10, R-7	1	11	as Lacquer Thinner
8040276	B-10, R-7	1	< 1.0	as Paint Thinner
8040276	B-10, R-7	1	< 1.0	as Kerosene
8040276	B-10, R-7	1	< 1.0	as Diesel

Method of Analysis: EPA 3550/8015

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Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/12/88
Date Reported: 04/19/88

Project: #JCO-104H

Sample Number	Sample Description
8040276	Soil, B-10, R-7

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040277	Soil, B-10, R-8

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 100	1,2-Dichloropropane	< 100
Bromomethane	< 100	1,3-Dichloropropane	< 100
Bromodichloromethane	< 100	Ethylbenzene	< 100
Bromoform	< 100	Methylene chloride	< 500
Carbon tetrachloride	< 100	1,1,2,2-Tetrachloroethane	< 100
Chlorobenzene	< 100	Tetrachloroethene	< 100
Chloroethane	< 100	1,1,1-Trichloroethane	< 100
2-Chloroethylvinyl ether	< 500	1,1,2-Trichloroethane	< 100
Chloroform	< 500	Trichloroethene	< 100
Chloromethane	< 100	Toluene	< 100
Dibromochloromethane	< 100	Vinyl chloride	< 100
1,1-Dichloroethane	< 100		
1,2-Dichloroethane	< 100		
1,1-Dichloroethene	< 100		
trans-1,2-Dichloroethene	< 100		

Method of Analysis: EPA 8240

SEQUOIA ANALYTICAL LABORATORY

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Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040277	Soil, B-10, R-8

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

2-Propanone	1,700

SEQUOIA ANALYTICAL LABORATORY

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Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040277	Soil, B-10, R-8

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	< 1.0
Isopropanol	< 1.0

SEQUOIA ANALYTICAL LABORATORY

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040277	Soil, B-10, R-8

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040277	B-10, R-8	1	< 1.0	as Diesel
8040277	B-10, R-8	1	< 1.0	as Lacquer Thinn
8040277	B-10, R-8	1	< 1.0	as Paint Thin
8040277	B-10, R-8	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

SEQUOIA ANALYTICAL LABORATORY

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040278	Soil, B-10, R-9

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	<	100	1,2-Dichloropropane	<	100
Bromomethane	<	100	1,3-Dichloropropane	<	100
Bromodichloromethane	<	100	Ethylbenzene	<	100
Bromoform	<	100	Methylene chloride	<	500
Carbon tetrachloride	<	100	1,1,2,2-Tetrachloroethane	<	100
Chlorobenzene	<	100	Tetrachloroethene	<	100
Chloroethane	<	100	1,1,1-Trichloroethane	<	100
2-Chloroethylvinyl ether	<	500	1,1,2-Trichloroethane	<	100
Chloroform	<	500	Trichloroethene	<	100
Chloromethane	<	100	Toluene	<	100
Dibromochloromethane	<	100	Vinyl chloride	<	100
1,1-Dichloroethane	<	100			
1,2-Dichloroethane	<	100			
1,1-Dichloroethene	<	100			
trans-1,2-Dichloroethene	<	100			

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040278	Soil, B-10, R-9

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

2-Propanone	2,300

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040278	Soil, B-10, R-9

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	< 1.0
Isopropanol	< 1.0

SEQUOIA ANALYTICAL LABORATORY

Scot Cocanour

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040278	Soil, B-10, R-9

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040278	B-10, R-9	1	< 1.0	as Diesel
8040278	B-10, R-9	1	< 1.0	as Lacquer Thinn
8040278	B-10, R-9	1	< 1.0	as Paint Thinner
8040278	B-10, R-9	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040279	Soil, B-10, R-10

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 100	1,2-Dichloropropane	< 100
Bromomethane	< 100	1,3-Dichloropropane	< 100
Bromodichloromethane	< 100	Ethylbenzene	< 100
Bromoform	< 100	Methylene chloride	< 500
Carbon tetrachloride	< 100	1,1,2,2-Tetrachloroethane	< 100
Chlorobenzene	< 100	Tetrachloroethene	< 100
Chloroethane	< 100	1,1,1-Trichloroethane	< 100
2-Chloroethylvinyl ether	< 500	1,1,2-Trichloroethane	< 100
Chloroform	< 500	Trichloroethene	< 100
Chloromethane	< 100	Toluene	< 100
Dibromochloromethane	< 100	Vinyl chloride	< 100
1,1-Dichloroethane	< 100		
1,2-Dichloroethane	< 100		
1,1-Dichloroethene	< 100		
trans-1,2-Dichloroethene	< 100		

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040279	Soil, B-10, R-10

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

2-Propanone	2,400

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Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040279	Soil, B-10, R-10

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	< 1.0
Isopropanol	< 1.0

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040279	Soil, B-10, R-10

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040279	B-10, R-10	1	< 1.0	as Diesel
8040279	B-10, R-10	1	< 1.0	as Lacquer Thinne
8040279	B-10, R-10	1	< 1.0	as Paint Thinner
8040279	B-10, R-10	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040280	Soil, B-10, R-11

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 100	1,2-Dichloropropane	< 100
Bromomethane	< 100	1,3-Dichloropropane	< 100
Bromodichloromethane	< 100	Ethylbenzene	< 100
Bromoform	< 100	Methylene chloride	< 500
Carbon tetrachloride	< 100	1,1,2,2-Tetrachloroethane	< 100
Chlorobenzene	< 100	Tetrachloroethene	< 100
Chloroethane	< 100	1,1,1-Trichloroethane	< 100
2-Chloroethylvinyl ether	< 500	1,1,2-Trichloroethane	< 100
Chloroform	< 500	Trichloroethene	< 100
Chloromethane	< 100	Toluene	< 100
Dibromochloromethane	< 100	Vinyl chloride	< 100
1,1-Dichloroethane	< 100		
1,2-Dichloroethane	< 100		
1,1-Dichloroethene	< 100		
trans-1,2-Dichloroethene	< 100		

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040280	Soil, B-10, R-11

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

No additional peaks > 200 ppb were detected for identification by NBS spectral library.

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040280	Soil, B-10, R-11

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	< 1.0
Isopropanol	< 1.0

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040280	Soil, B-10, R-11

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040280	B-10, R-11	1	< 1.0	as Diesel
8040280	B-10, R-11	1	< 1.0	as Lacquer Thinn
8040280	B-10, R-11	1	< 1.0	as Paint Thinner
8040280	B-10, R-11	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/19/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040281	Soil, B-10, R-12

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	<	100	1,2-Dichloropropane	<	100
Bromomethane	<	100	1,3-Dichloropropane	<	100
Bromodichloromethane	<	100	Ethylbenzene	<	100
Bromoform	<	100	Methylene chloride	<	500
Carbon tetrachloride	<	100	1,1,2,2-Tetrachloroethane	<	100
Chlorobenzene	<	100	Tetrachloroethene	<	100
Chloroethane	<	100	1,1,1-Trichloroethane	<	100
2-Chloroethylvinyl ether	<	500	1,1,2-Trichloroethane	<	100
Chloroform	<	500	Trichloroethene	<	100
Chloromethane	<	100	Toluene	<	100
Dibromochloromethane	<	100	Vinyl chloride	<	100
1,1-Dichloroethane	<	100			
1,2-Dichloroethane	<	100			
1,1-Dichloroethene	<	100			
trans-1,2-Dichloroethene	<	100			

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/19/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040281	Soil, B-10, R-12

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

2-Propanone	2,600

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040281	Soil, B-10, R-12

ANALYSIS
results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	< 1.0
Isopropanol	< 1.0

SEQUOIA ANALYTICAL LABORATORY

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040281	Soil, B-10, R-12

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040281	B-10, R-12	1	< 1.0	as Diesel
8040281	B-10, R-12	1	< 1.0	as Lacquer Thinne
8040281	B-10, R-12	1	< 1.0	as Paint Thin[illegible]
8040281	B-10, R-12	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/14/88
Date Reported: 04/19/88

Project: #JCO-104H

Sample Number	Sample Description
8040282	Soil, B-11, R-13

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 100	1,2-Dichloropropane	< 100
Bromomethane	< 100	1,3-Dichloropropane	< 100
Bromodichloromethane	< 100	Ethylbenzene	< 100
Bromoform	< 100	Methylene chloride	< 500
Carbon tetrachloride	< 100	1,1,2,2-Tetrachloroethane	< 100
Chlorobenzene	< 100	Tetrachloroethene	< 100
Chloroethane	< 100	1,1,1-Trichloroethane	< 100
2-Chloroethylvinyl ether	< 500	1,1,2-Trichloroethane	< 100
Chloroform	< 500	Trichloroethene	< 100
Chloromethane	< 100	Toluene	130
Dibromochloromethane	< 100	Vinyl chloride	< 100
1,1-Dichloroethane	< 100		
1,2-Dichloroethane	< 100		
1,1-Dichloroethene	< 100		
trans-1,2-Dichloroethene	< 100		

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/14/88
Date Reported: 04/19/88

Project: #JCO-104H

Sample Number	Sample Description
8040282	Soil, B-11, R-13

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

Total Xylenes	270
2-Propanone	3,100

SEQUOIA ANALYTICAL LABORATORY

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/19/88
Project: #JCO-104H

Sample Number	Sample Description
8040282	Soil, B-11, R-13

ANALYSIS

results in ppm

Ethanol	< 1.0
Acetone	2.8
Isopropanol	< 1.0

SEQUOIA ANALYTICAL LABORATORY

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/12/88
Date Reported: 04/19/88

Project: #JCO-104H

Sample Number	Sample Description
8040282	Soil, B-11, R-13

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/19/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040282	B-11, R-13	1	< 1.0	as Lacquer Thinner
8040282	B-11, R-13	1	< 1.0	as Paint Thinner
8040282	B-11, R-13	1	< 1.0	as Kerosene
8040282	B-11, R-13	1	< 1.0	as Diesel

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040283	Soil, B-11, R-14

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 100	1,2-Dichloropropane	< 100
Bromomethane	< 100	1,3-Dichloropropane	< 100
Bromodichloromethane	< 100	Ethylbenzene	< 100
Bromoform	< 100	Methylene chloride	< 500
Carbon tetrachloride	< 100	1,1,2,2-Tetrachloroethane	< 100
Chlorobenzene	< 100	Tetrachloroethene	< 100
Chloroethane	< 100	1,1,1-Trichloroethane	< 100
2-Chloroethylvinyl ether	< 500	1,1,2-Trichloroethane	< 100
Chloroform	< 500	Trichloroethene	< 100
Chloromethane	< 100	Toluene	< 100
Dibromochloromethane	< 100	Vinyl chloride	< 100
1,1-Dichloroethane	< 100		
1,2-Dichloroethane	< 100		
1,1-Dichloroethene	< 100		
trans-1,2-Dichloroethene	< 100		

Method of Analysis: EPA 8240

SEQUOIA ANALYTICAL LABORATORY

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Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040283	Soil, B-11, R-14

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

2-Propanone	1,200

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Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040283	Soil, B-11, R-14

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	< 1.0
Isopropanol	< 1.0

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040283	Soil, B-11, R-14

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040283	B-11, R-14	1	< 1.0	as Diesel
8040283	B-11, R-14	1	< 1.0	as Lacquer Thinn
8040283	B-11, R-14	1	< 1.0	as Paint Thi
8040283	B-11, R-14	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040284	Soil, B-11, R-15

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 100	1,2-Dichloropropane	< 100
Bromomethane	< 100	1,3-Dichloropropane	< 100
Bromodichloromethane	< 100	Ethylbenzene	< 100
Bromoform	< 100	Methylene chloride	< 500
Carbon tetrachloride	< 100	1,1,2,2-Tetrachloroethane	< 100
Chlorobenzene	< 100	Tetrachloroethene	< 100
Chloroethane	< 100	1,1,1-Trichloroethane	< 100
2-Chloroethylvinyl ether	< 500	1,1,2-Trichloroethane	< 100
Chloroform	< 500	Trichloroethene	< 100
Chloromethane	< 100	Toluene	< 100
Dibromochloromethane	< 100	Vinyl chloride	< 100
1,1-Dichloroethane	< 100		
1,2-Dichloroethane	< 100		
1,1-Dichloroethene	< 100		
trans-1,2-Dichloroethene	< 100		

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040284	Soil, B-11, R-15

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

No additional peaks > 200 ppb were detected for identification by NBS spectral library.

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Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040284	Soil, B-11, R-15

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	< 1.0
Isopropanol	< 1.0

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040284	Soil, B-11, R-15

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040284	B-11, R-15	1	< 1.0	as Diesel
8040284	B-11, R-15	1	< 1.0	as Lacquer Thinn
8040284	B-11, R-15	1	< 1.0	as Paint Thinner
8040284	B-11, R-15	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040285	Soil, B-11, R-16

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 100	1,2-Dichloropropane	< 100
Bromomethane	< 100	1,3-Dichloropropane	< 100
Bromodichloromethane	< 100	Ethylbenzene	< 100
Bromoform	< 100	Methylene chloride	< 500
Carbon tetrachloride	< 100	1,1,2,2-Tetrachloroethane	< 100
Chlorobenzene	< 100	Tetrachloroethene	< 100
Chloroethane	< 100	1,1,1-Trichloroethane	< 100
2-Chloroethylvinyl ether	< 500	1,1,2-Trichloroethane	< 100
Chloroform	< 500	Trichloroethene	< 100
Chloromethane	< 100	Toluene	< 100
Dibromochloromethane	< 100	Vinyl chloride	< 100
1,1-Dichloroethane	< 100		
1,2-Dichloroethane	< 100		
1,1-Dichloroethene	< 100		
trans-1,2-Dichloroethene	< 100		

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040285	Soil, B-11, R-16

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

2-Propanone	550

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Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040285	Soil, B-11, R-16

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	< 1.0
Isopropanol	< 1.0

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040285	Soil, B-11, R-16

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040285	B-11, R-16	1	< 1.0	as Diesel
8040285	B-11, R-16	1	< 1.0	as Lacquer Thinn
8040285	B-11, R-16	1	< 1.0	as Paint Thi
8040285	B-11, R-16	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040286	Soil, B-11, R-17

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 100	1,2-Dichloropropane	< 100
Bromomethane	< 100	1,3-Dichloropropane	< 100
Bromodichloromethane	< 100	Ethylbenzene	< 100
Bromoform	< 100	Methylene chloride	< 500
Carbon tetrachloride	< 100	1,1,2,2-Tetrachloroethane	< 100
Chlorobenzene	< 100	Tetrachloroethene	< 100
Chloroethane	< 100	1,1,1-Trichloroethane	< 100
2-Chloroethylvinyl ether	< 500	1,1,2-Trichloroethane	< 100
Chloroform	< 500	Trichloroethene	< 100
Chloromethane	< 100	Toluene	< 100
Dibromochloromethane	< 100	Vinyl chloride	< 100
1,1-Dichloroethane	< 100		
1,2-Dichloroethane	< 100		
1,1-Dichloroethene	< 100		
trans-1,2-Dichloroethene	< 100		

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040286	Soil, B-11, R-17

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

2-Propanone	5,400

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040286	Soil, B-11, R-17

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	< 1.0
Isopropanol	< 1.0

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040286	Soil, B-11, R-17

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040286	B-11, R-17	1	< 1.0	as Diesel
8040286	B-11, R-17	1	< 1.0	as Lacquer Thinne
8040286	B-11, R-17	1	< 1.0	as Paint Thinner
8040286	B-11, R-17	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040287	Soil, B-11, R-18

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 100	1,2-Dichloropropane	< 100
Bromomethane	< 100	1,3-Dichloropropane	< 100
Bromodichloromethane	< 100	Ethylbenzene	< 100
Bromoform	< 100	Methylene chloride	< 500
Carbon tetrachloride	< 100	1,1,2,2-Tetrachloroethane	< 100
Chlorobenzene	< 100	Tetrachloroethene	< 100
Chloroethane	< 100	1,1,1-Trichloroethane	< 100
2-Chloroethylvinyl ether	< 500	1,1,2-Trichloroethane	< 100
Chloroform	< 500	Trichloroethene	< 100
Chloromethane	< 100	Toluene	< 100
Dibromochloromethane	< 100	Vinyl chloride	< 100
1,1-Dichloroethane	< 100		
1,2-Dichloroethane	< 100		
1,1-Dichloroethene	< 100		
trans-1,2-Dichloroethene	< 100		

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040287	Soil, B-11, R-18

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

2-Propanone	900

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040287	Soil, B-11, R-18

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	< 1.0
Isopropanol	< 1.0

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040287	Soil, B-11, R-18

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040287	B-11, R-18	1	< 1.0	as Diesel
8040287	B-11, R-18	1	< 1.0	as Lacquer Thinne
8040287	B-11, R-18	1	< 1.0	as Paint Thin
8040287	B-11, R-18	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/15/88
Date Reported: 04/19/88

Project: #JCO-104H

Sample Number	Sample Description
8040288	Soil, B-12, R-19

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 100	1,2-Dichloropropane	< 100
Bromomethane	< 100	1,3-Dichloropropane	< 100
Bromodichloromethane	< 100	Ethylbenzene	< 100
Bromoform	< 100	Methylene chloride	< 500
Carbon tetrachloride	< 100	1,1,2,2-Tetrachloroethane	< 100
Chlorobenzene	< 100	Tetrachloroethene	< 100
Chloroethane	< 100	1,1,1-Trichloroethane	< 100
2-Chloroethylvinyl ether	< 500	1,1,2-Trichloroethane	< 100
Chloroform	< 500	Trichloroethene	< 100
Chloromethane	< 100	Toluene	< 100
Dibromochloromethane	< 100	Vinyl chloride	< 100
1,1-Dichloroethane	< 100		
1,2-Dichloroethane	< 100		
1,1-Dichloroethene	< 100		
trans-1,2-Dichloroethene	< 100		

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/15/88
Date Reported: 04/19/88

Project: #JCO-104H

Sample Number	Sample Description
8040288	Soil, B-12, R-19

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

No Additional peaks > 1 ppm were detected for identification by NBS spectral library.

SEQUOIA ANALYTICAL LABORATORY

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Laboratory Director

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2549 Middlefield Road
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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/19/88
Project: #JCO-104H

Sample Number	Sample Description
8040288	Soil, B-12, R-19

ANALYSIS

results in ppm

Ethanol	< 1.0
Acetone	< 1.0
Isopropanol	< 1.0

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/12/88
Date Reported: 04/19/88

Project: #JCO-104H

Sample Number	Sample Description
8040288	Soil, B-12, R-19

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/19/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040288	B-12, R-19	1	< 1.0	as Lacquer Thinner
8040288	B-12, R-19	1	< 1.0	as Paint Thinner
8040288	B-12, R-19	1	< 1.0	as Kerosene
8040288	B-12, R-19	1	3.2	as Diesel

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040289	Soil, B-12, R-20

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	< 100	1,2-Dichloropropane	< 100
Bromomethane	< 100	1,3-Dichloropropane	< 100
Bromodichloromethane	< 100	Ethylbenzene	< 100
Bromoform	< 100	Methylene chloride	< 500
Carbon tetrachloride	< 100	1,1,2,2-Tetrachloroethane	< 100
Chlorobenzene	< 100	Tetrachloroethene	< 100
Chloroethane	< 100	1,1,1-Trichloroethane	< 100
2-Chloroethylvinyl ether	< 500	1,1,2-Trichloroethane	< 100
Chloroform	< 500	Trichloroethene	< 100
Chloromethane	< 100	Toluene	< 100
Dibromochloromethane	< 100	Vinyl chloride	< 100
1,1-Dichloroethane	< 100		
1,2-Dichloroethane	< 100		
1,1-Dichloroethene	< 100		
trans-1,2-Dichloroethene	< 100		

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/18/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040289	Soil, B-12, R-20

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

Total Xylenes	760

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040289	Soil, B-12, R-20

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	< 1.0
Isopropanol	< 1.0

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040289	Soil, B-12, R-20

PRIORITY POLLUTANTS

PHENOLS

results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040289	B-12, R-20	1	13	as Diesel
8040289	B-12, R-20	1	< 1.0	as Lacquer Thinn
8040289	B-12, R-20	1	< 1.0	as Paint Thin
8040289	B-12, R-20	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/19/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040290	Soil, B-12, R-21

PRIORITY POLLUTANTS

PURGEABLES BY GC/MS
results in ppb

Benzene	<	100	1,2-Dichloropropane	<	100
Bromomethane	<	100	1,3-Dichloropropane	<	100
Bromodichloromethane	<	100	Ethylbenzene	<	100
Bromoform	<	100	Methylene chloride	<	500
Carbon tetrachloride	<	100	1,1,2,2-Tetrachloroethane	<	100
Chlorobenzene	<	100	Tetrachloroethene	<	100
Chloroethane	<	100	1,1,1-Trichloroethane	<	100
2-Chloroethylvinyl ether	<	500	1,1,2-Trichloroethane	<	100
Chloroform	<	500	Trichloroethene	<	100
Chloromethane	<	100	Toluene	<	100
Dibromochloromethane	<	100	Vinyl chloride	<	100
1,1-Dichloroethane	<	100			
1,2-Dichloroethane	<	100			
1,1-Dichloroethene	<	100			
trans-1,2-Dichloroethene	<	100			

Method of Analysis: EPA 8240

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Analyzed: 04/19/88
Date Reported: 04/20/88
Project: #JCO-104H

Sample Number	Sample Description
8040290	Soil, B-12, R-21

- Open Scan -
NON-PRIORITY POLLUTANTS
PURGEABLES BY GC/MS
results in ppb

Total Xylenes	170

SEQUOIA ANALYTICAL LABORATORY

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88
Project: #JCO-104H

Sample Number	Sample Description
8040290	Soil, B-12, R-21

ANALYSIS

results in ppm

Methanol	< 1.0
Ethanol	< 1.0
Acetone	< 1.0
Isopropanol	< 1.0

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Extracted: 04/11/88
Date Reported: 04/26/88

Project: #JCO-104H

Sample Number	Sample Description
8040290	Soil, B-12, R-21

PRIORITY POLLUTANTS

PHENOLS
results in ppm

4-Chloro-3-methylphenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4-Dimethylphenol	< 1
2,4-Dinitrophenol	< 15
2-Methyl-4,6-dinitrophenol	< 15
2-Nitrophenol	< 1
4-Nitrophenol	< 15
Pentachlorophenol	< 10
Phenol	< 1
2,4,6-Trichlorophenol	< 1

Method of Analysis: EPA 8040

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

TOTAL PETROLEUM HYDROCARBONS

Sample Number	Sample Description Soil,	Detection Limit ppm	High Boiling Point Hydrocarbons ppm	
8040290	B-12, R-21	1	14	as Diesel
8040290	B-12, R-21	1	< 1.0	as Lacquer Thinn
8040290	B-12, R-21	1	< 1.0	as Paint Thinner
8040290	B-12, R-21	1	< 1.0	as Kerosene

Method of Analysis: EPA 3550/8015

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Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

Q.C. DATA REPORT

Analyst: W. Amundsen
Date of Analysis: 4/14/88
Method of Analysis: EPA 8240
Detection Limit: 100
Units: ppb

Sample Number	Analyte	Original Result	Duplicate Result	% Deviation
8040276	Toluene	740	900	9.8
	Ethyl Benzene	220	280	12
	Total Xylenes	2,100	2,500	4.3

Sample Number	Analyte	Sample Contribution	Spike Added	Spike Result	% Recovery
8040276	1,2-Dichloro-ethane-D_4	-	50	60	120
	Toluene-D_8	-	50	48	96
	4-Bromofluoro-benzene	-	50	46	91

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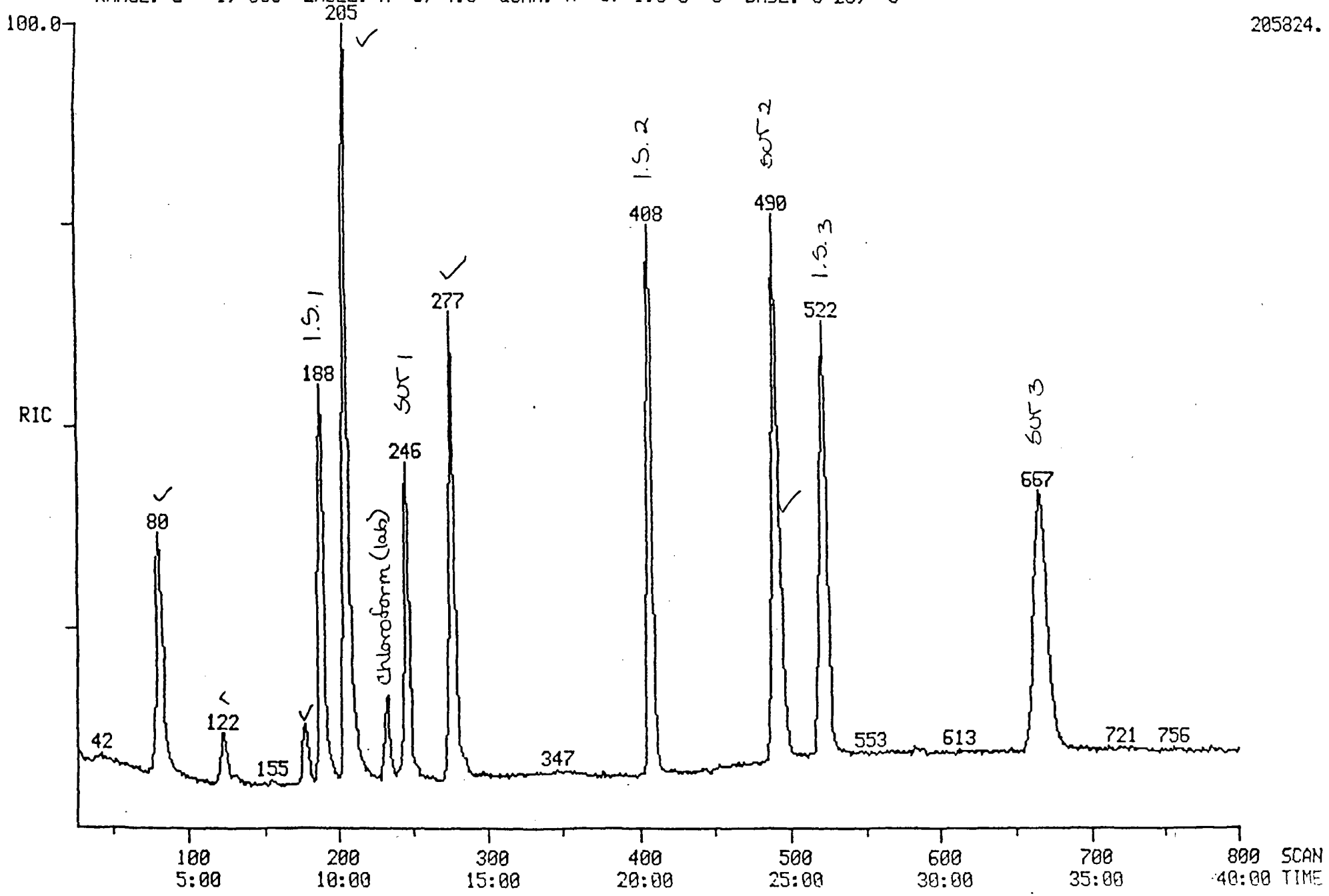
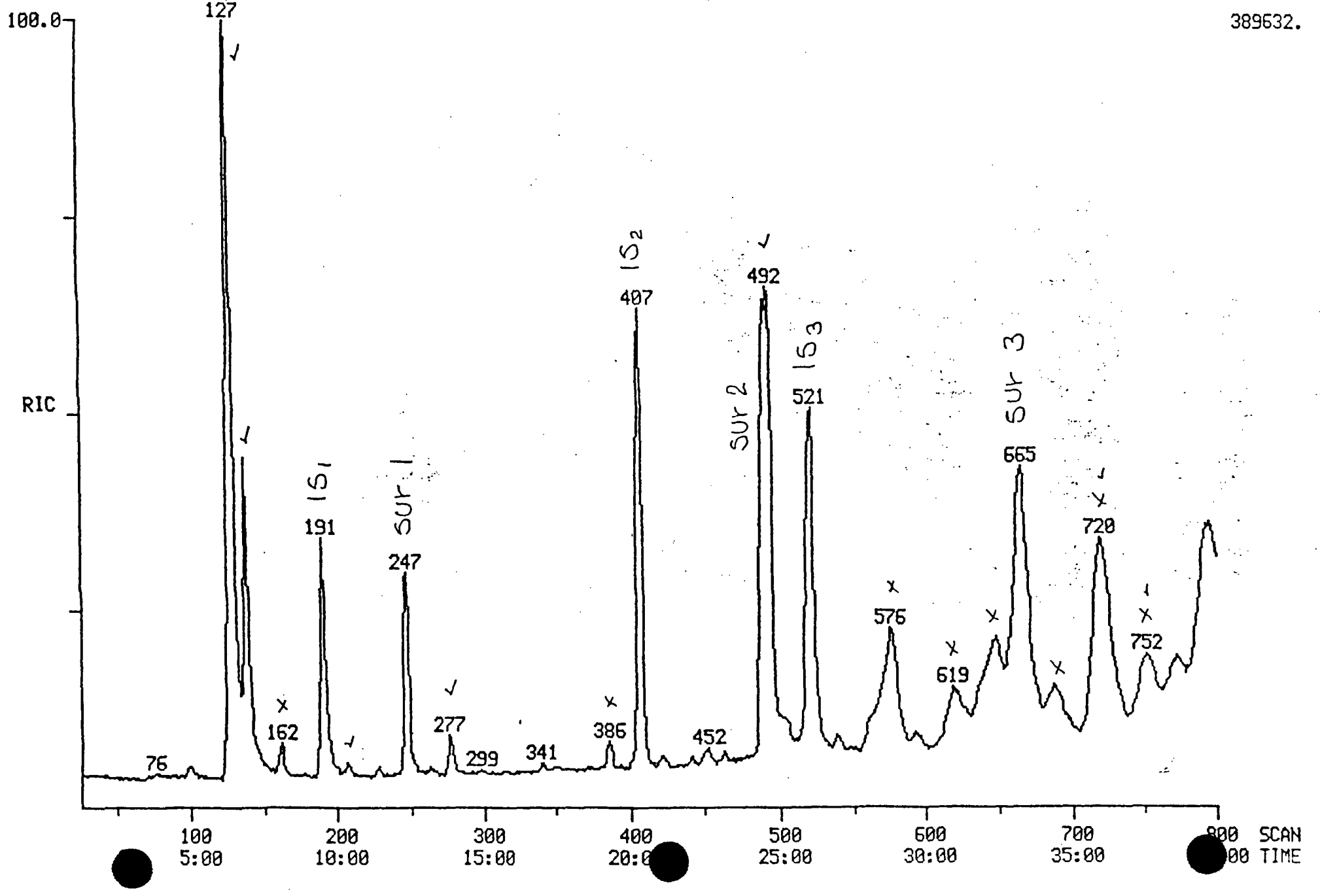
04/19/88 18:02:00
SAMPLE: DW(W) (500UL/5ML)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

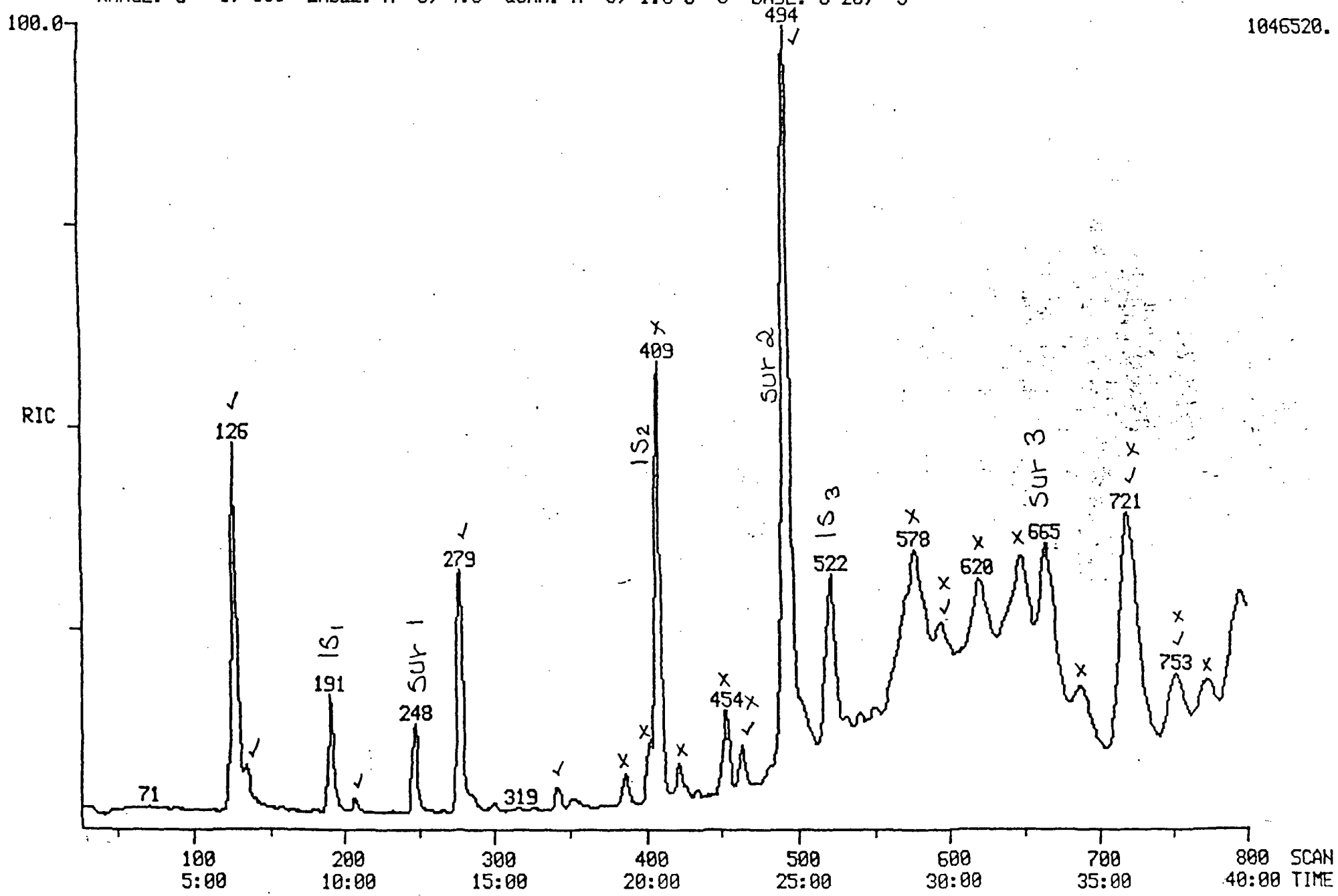
DATA: VOA8040269 #1 SCANS 25 TO 800
CALI: VOA8040269 #2



RIC DATA: VOA8040270 #1 SCANS 25 TO 800
04/12/88 14:52:00 CALI: VOA8040270 #2
SAMPLE: B9 R-1 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

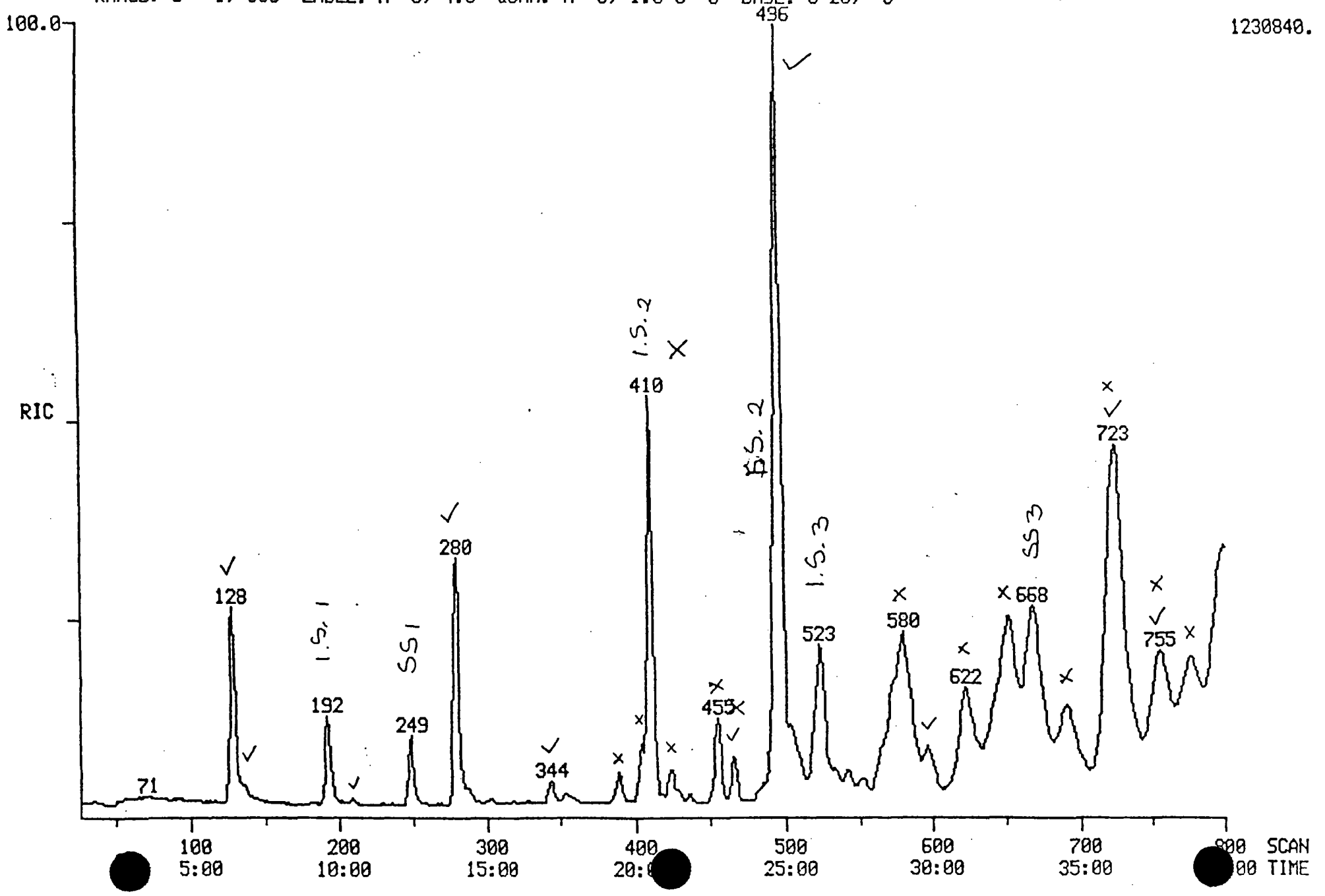


RI
04/12/88 21:53:00
DATA: VOA8040271 #721 SCANS 25 TO 800
CALI: VOA8040271 #2
SAMPLE: B9,R-2 (40UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

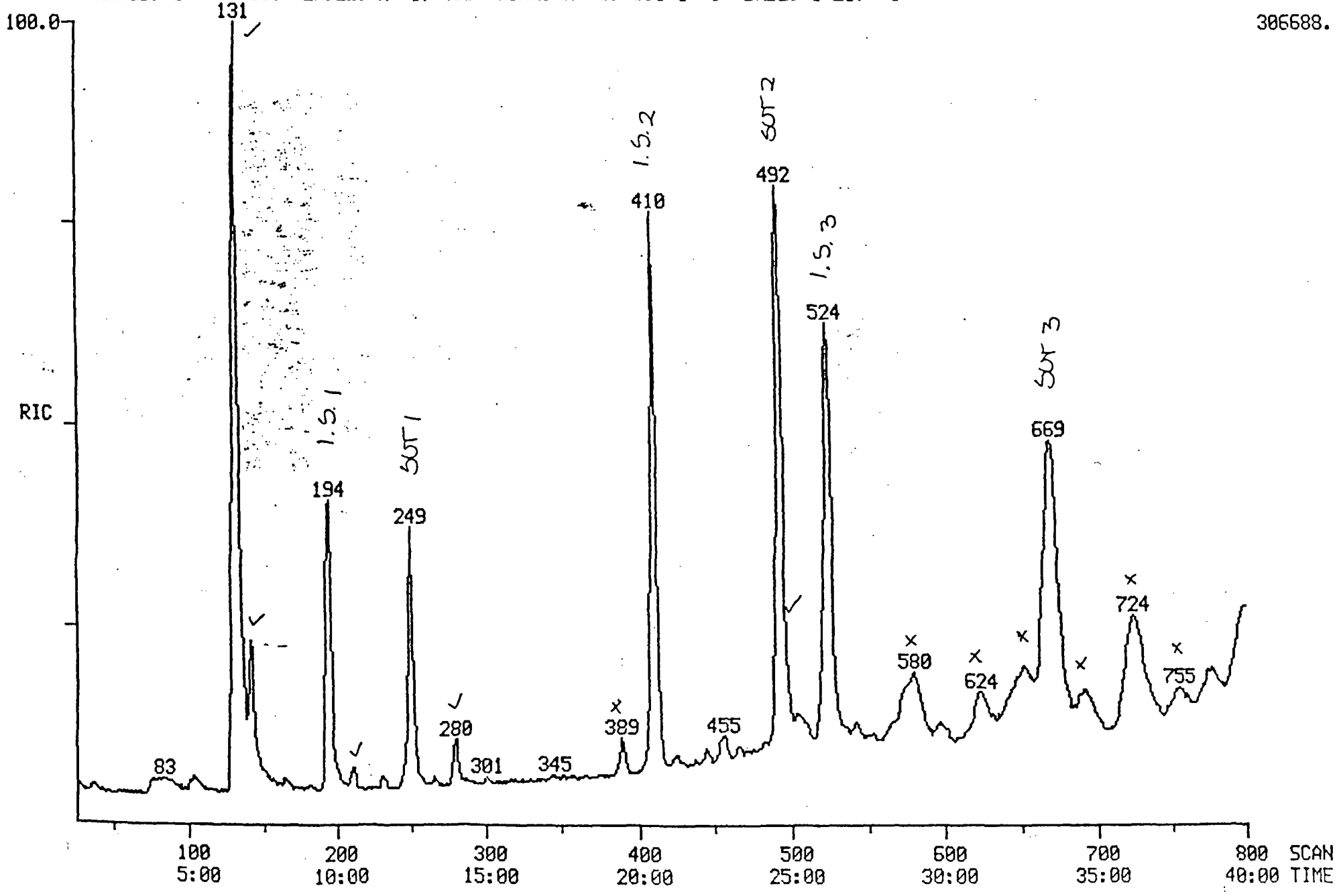


RIC
04/13/88 18:33:00
SAMPLE: B9,R-3 (50UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOA8040272 #1
CALI: VOA8040272 #2
SCANS 25 TO 800



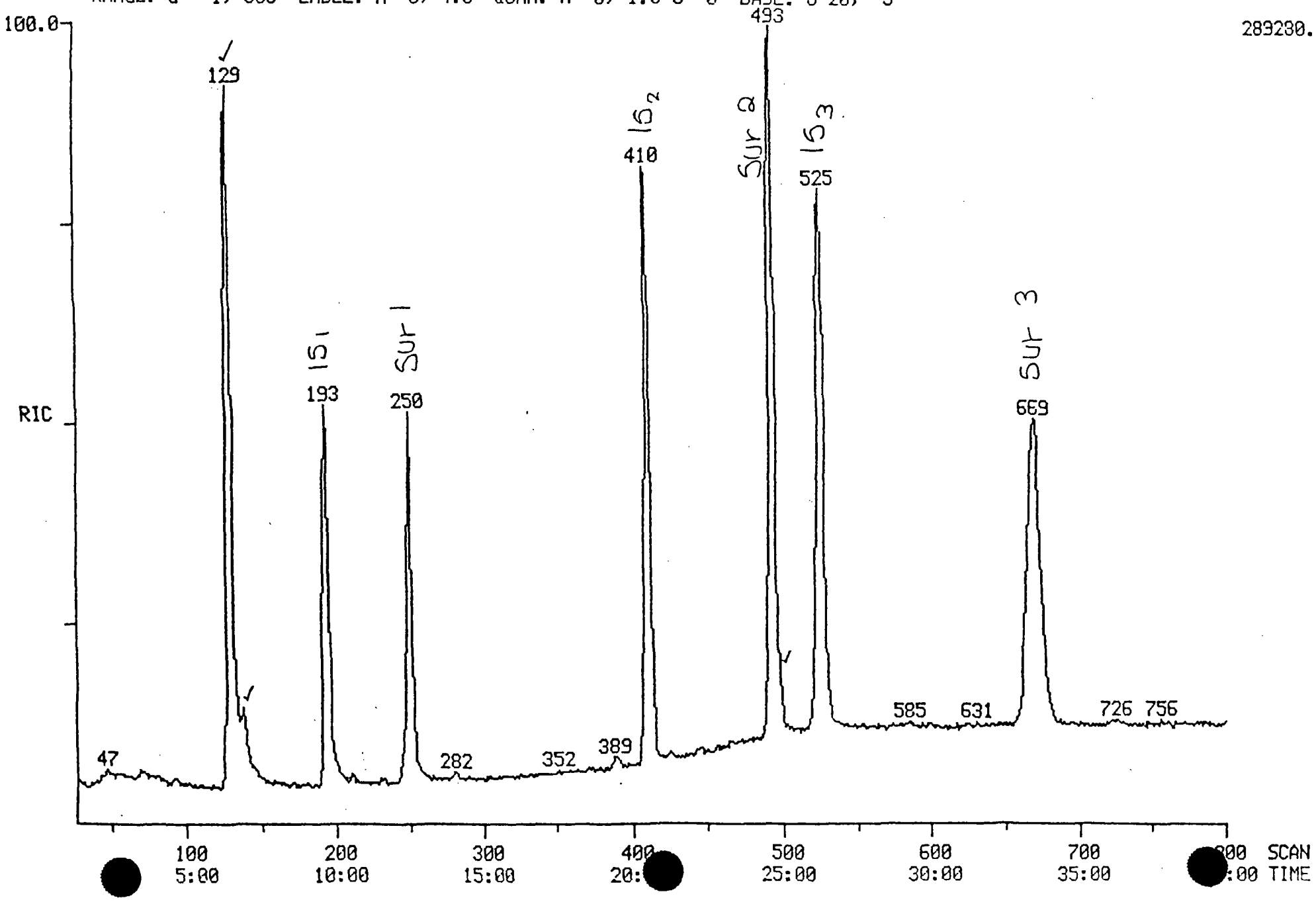
DATA: VOA80402[illegible] #1 SCANS 25 TO 800
04/14/88 14:42:00 CALI: VOA8040273 #2
SAMPLE: B9 R-4 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



RIC
04/16/88 18:34:00
SAMPLE: B9 R-5 (50UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

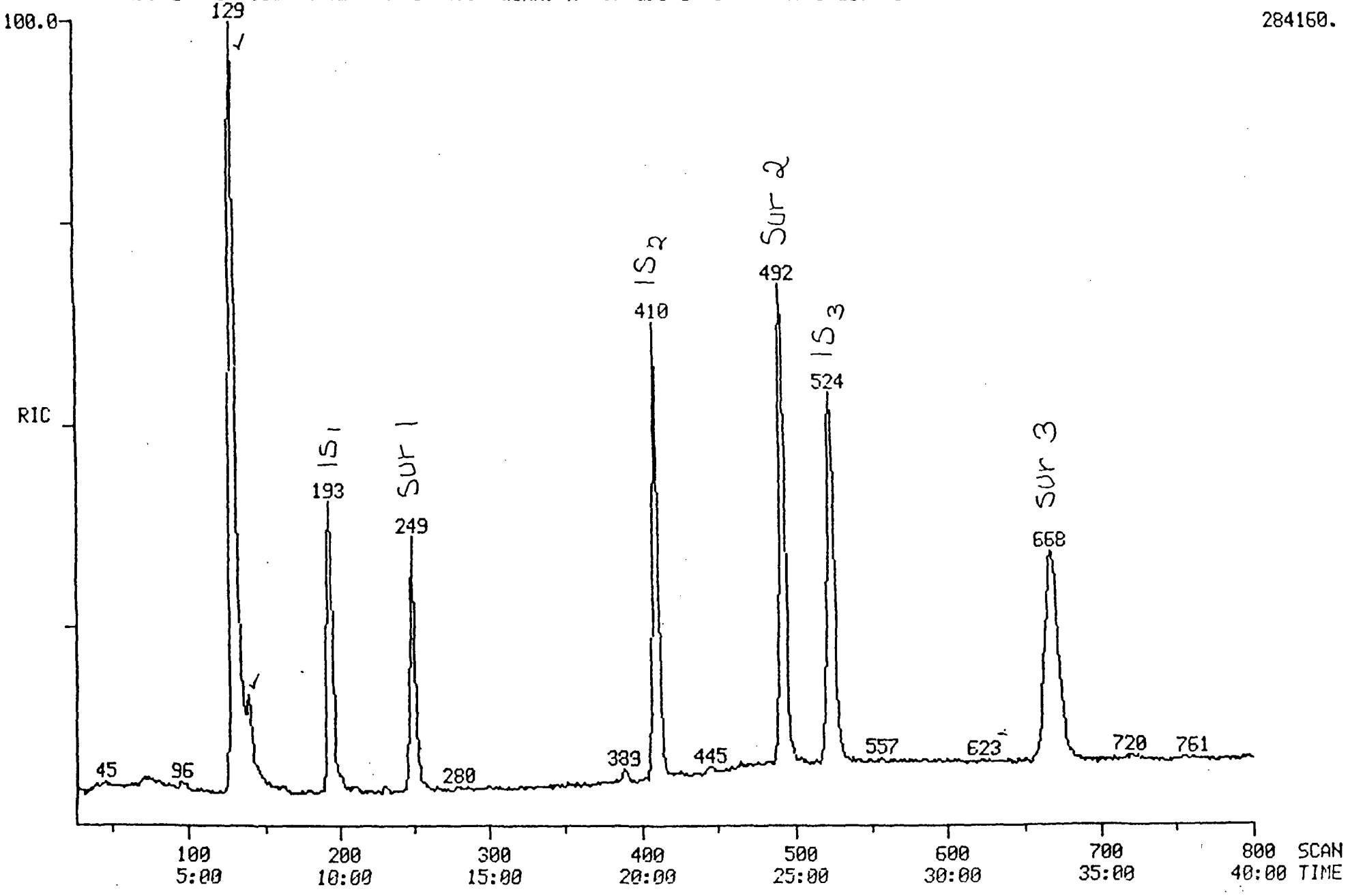
DATA: VOA8040274 #1
CALI: VOA8040274 #2

SCANS 25 TO 800



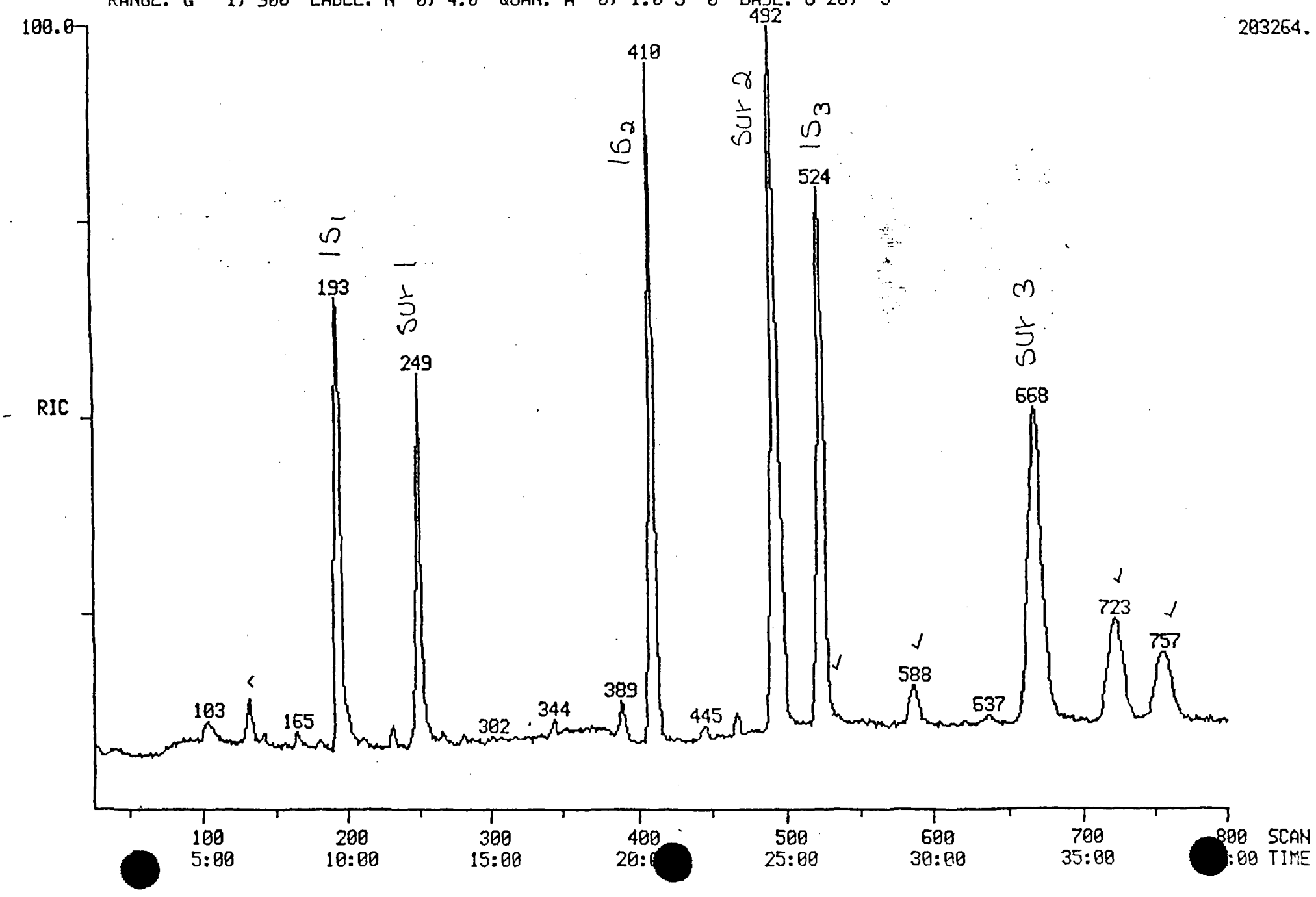
RIC
04/18/88 11:06:00
SAMPLE: B9 R-6 (100UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOA8040275 #1 SCANS 25 TO 800
CALI: VOA8040275 #2

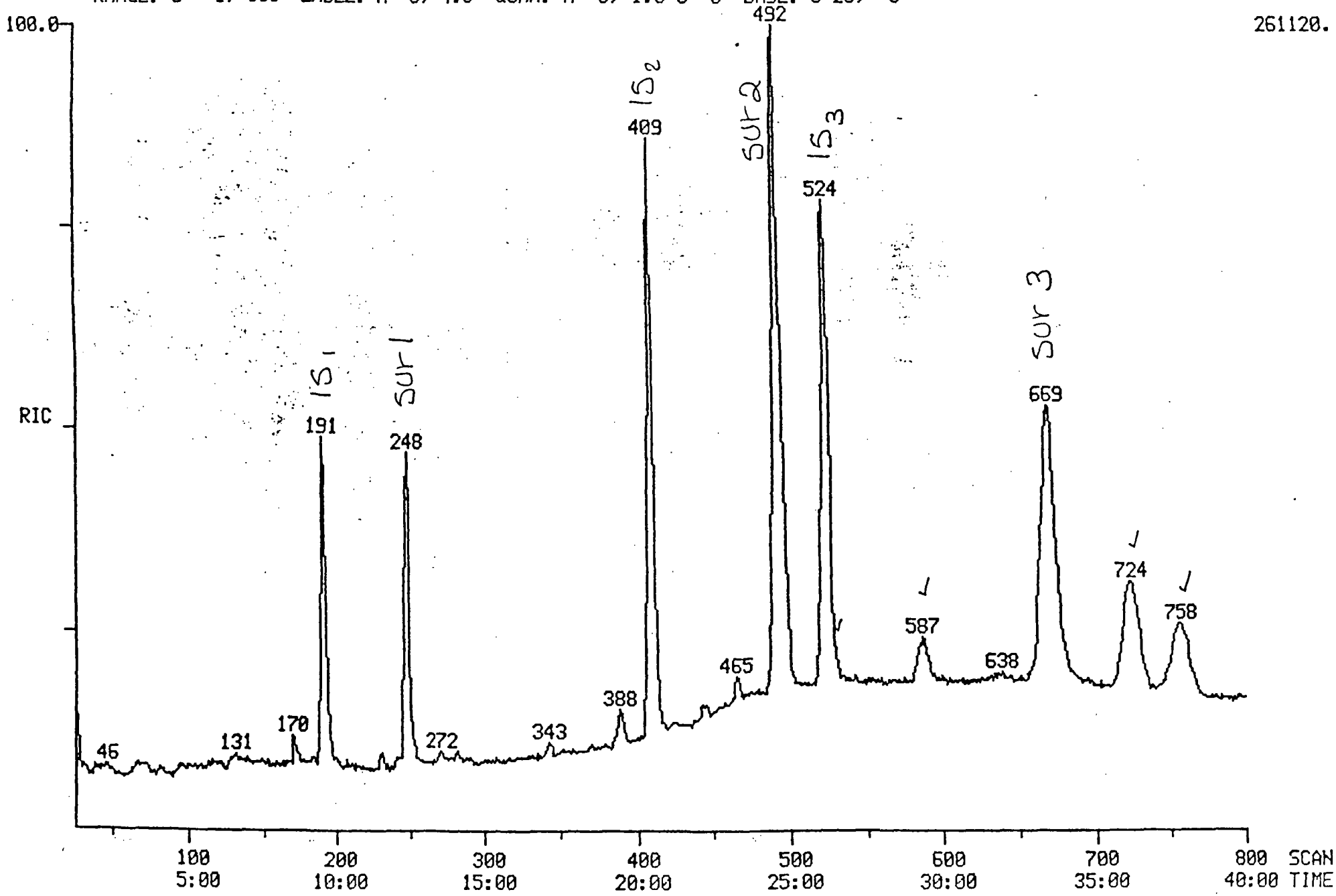


RIC
04/14/88 11:13:00
SAMPLE: B10 R-7 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 900 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOA8040276 #755 SCANS 25 TO 800
CALI: VOA8040276 #2

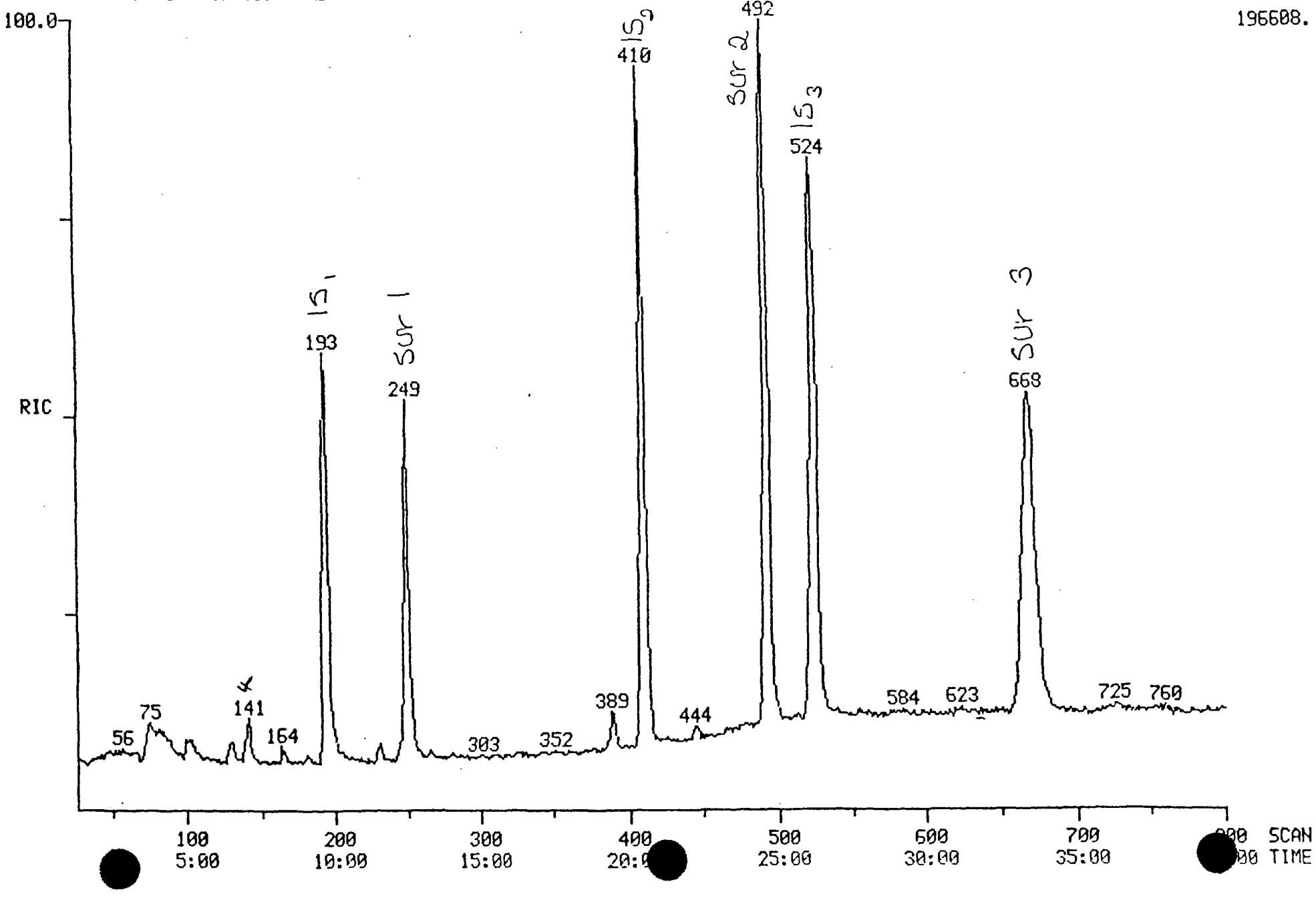


DATA: VOA80402[illegible] #1 SCANS 25 TO 800
04/14/88 12:12:00 CALI: VOA8040276D #2
SAMPLE: B10 R-7 DUPLICATE (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

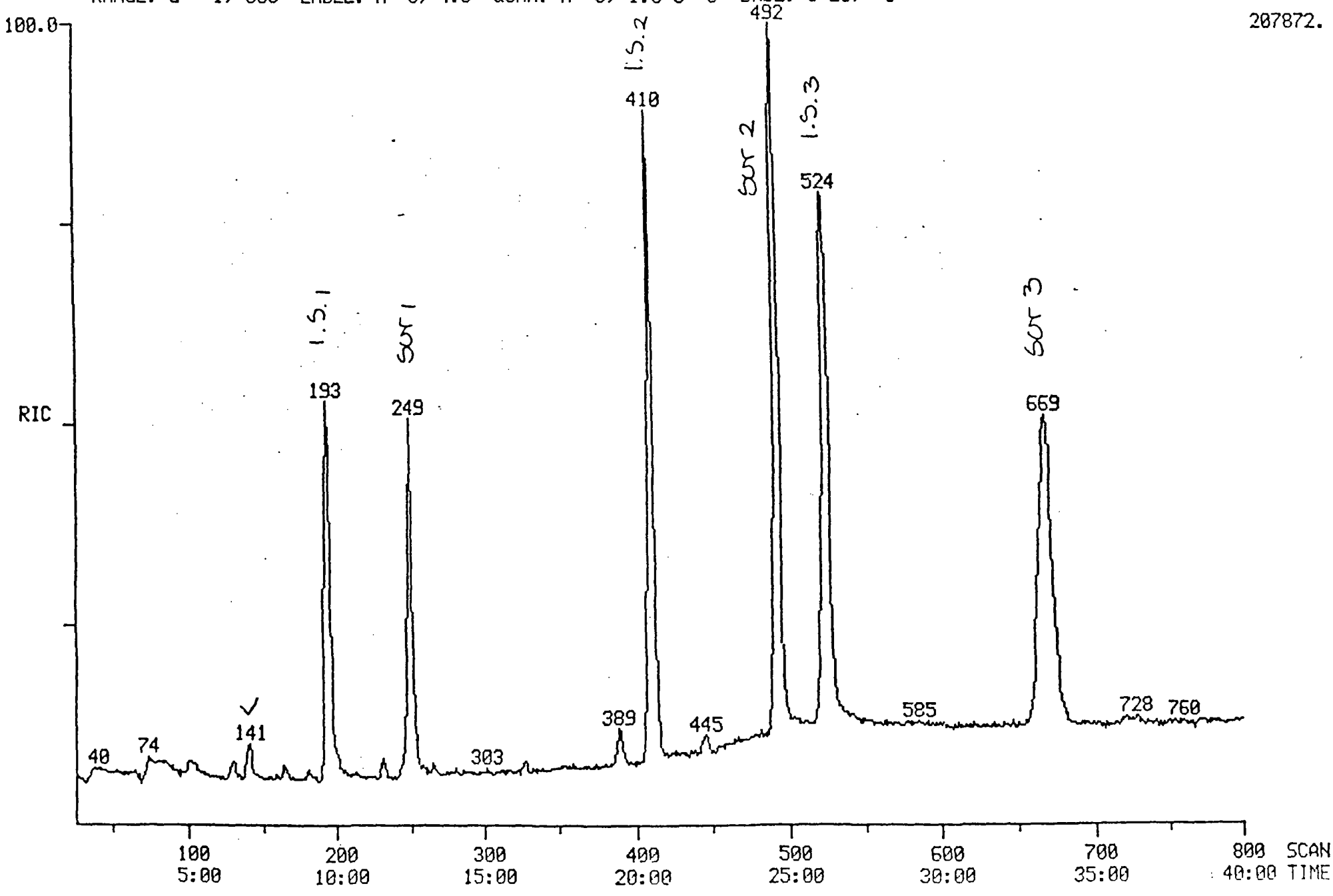


RIC
04/18/88 13:03:00
SAMPLE: B10 R-8 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOA8040277 #1 SCANS 25 TO 800
CALI: VOA8040277 #2

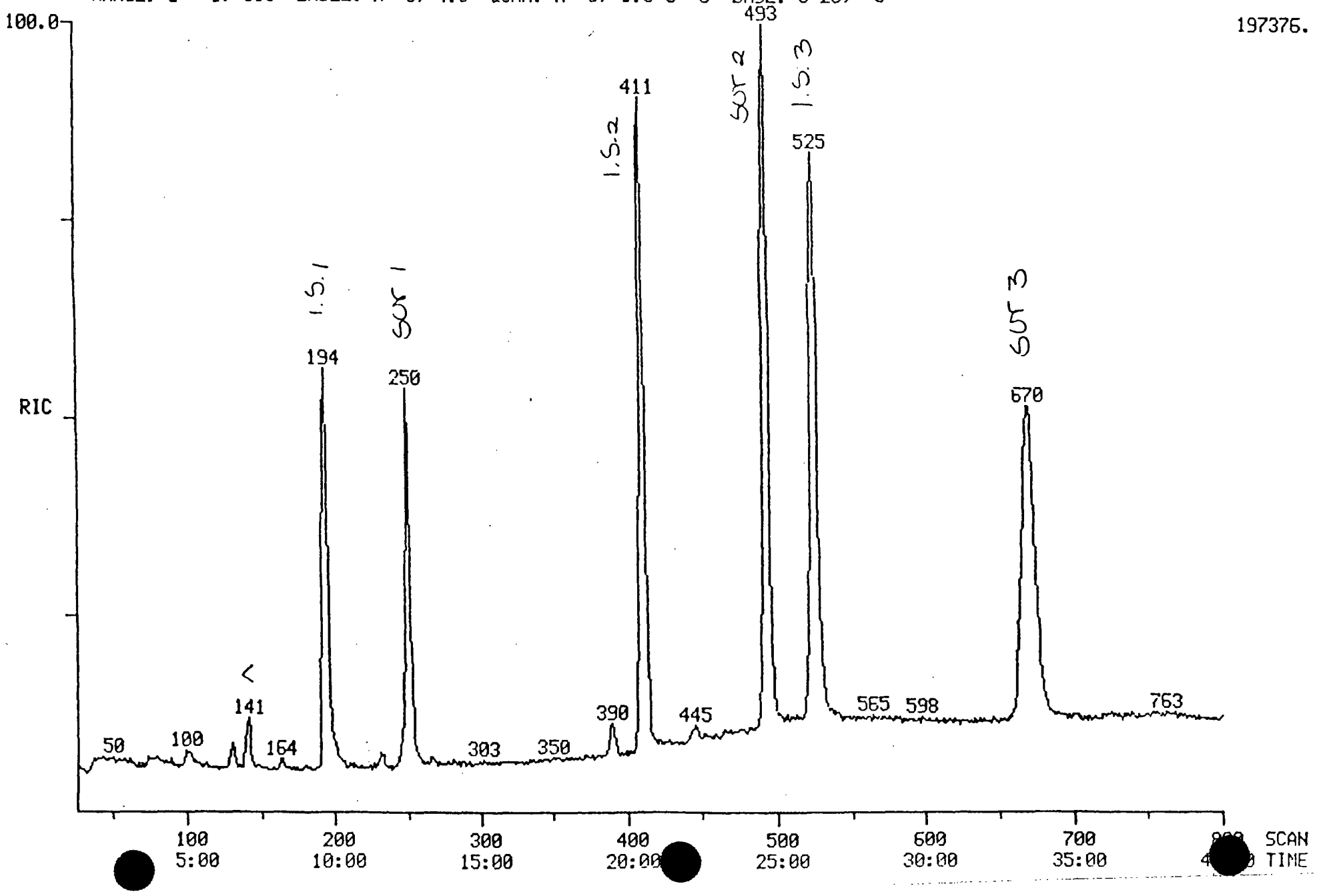


DATA: VOA8040278 #1 SCANS 25 TO 800
04/18/88 14:09:00 CALI: VOA8040278 #2
SAMPLE: B10 R-9 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



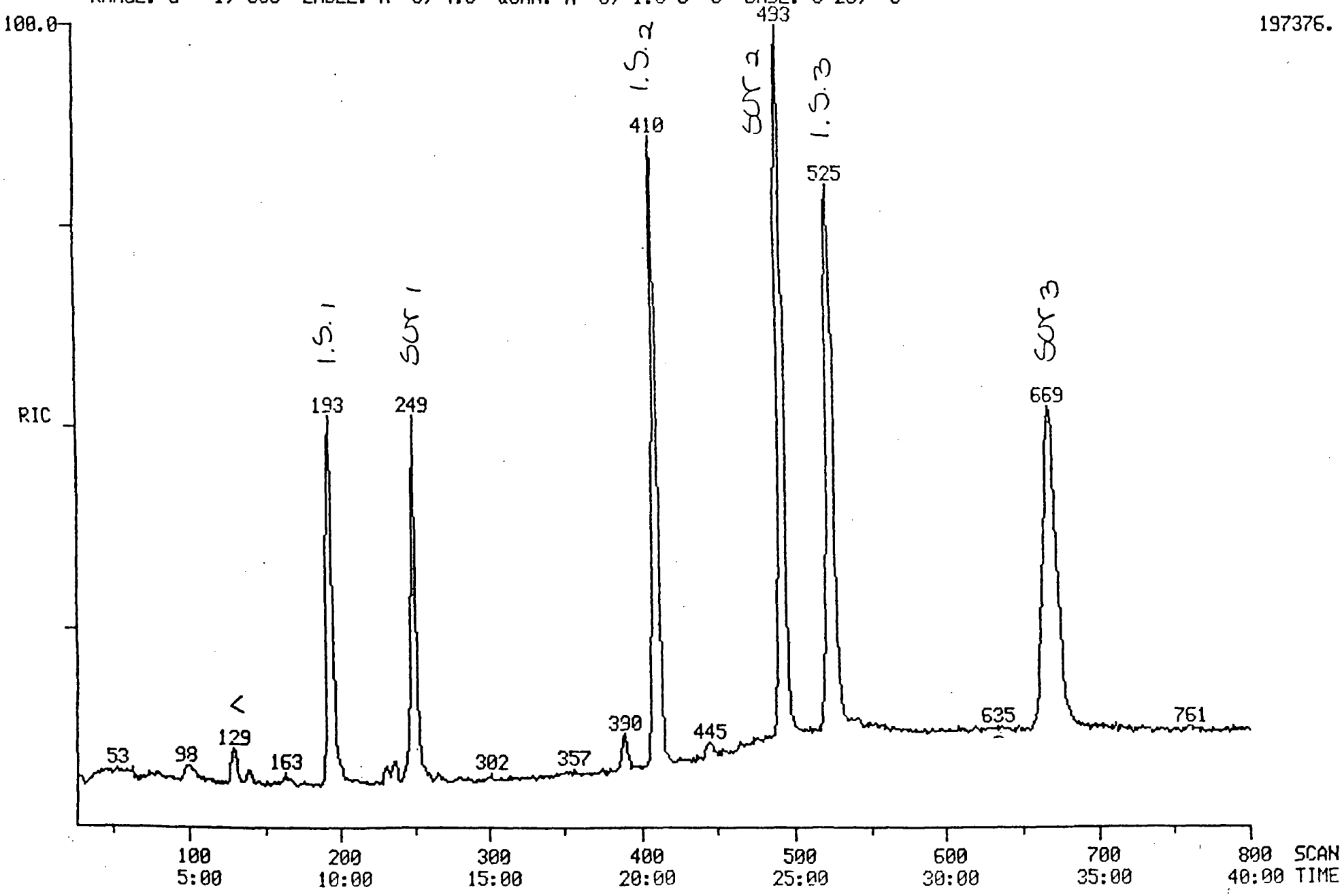
RIC
04/18/88 15:09:00
SAMPLE: B10 R-10 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOA8040279 #1
CALI: VOA8040279 #2
SCANS 25 TO 800



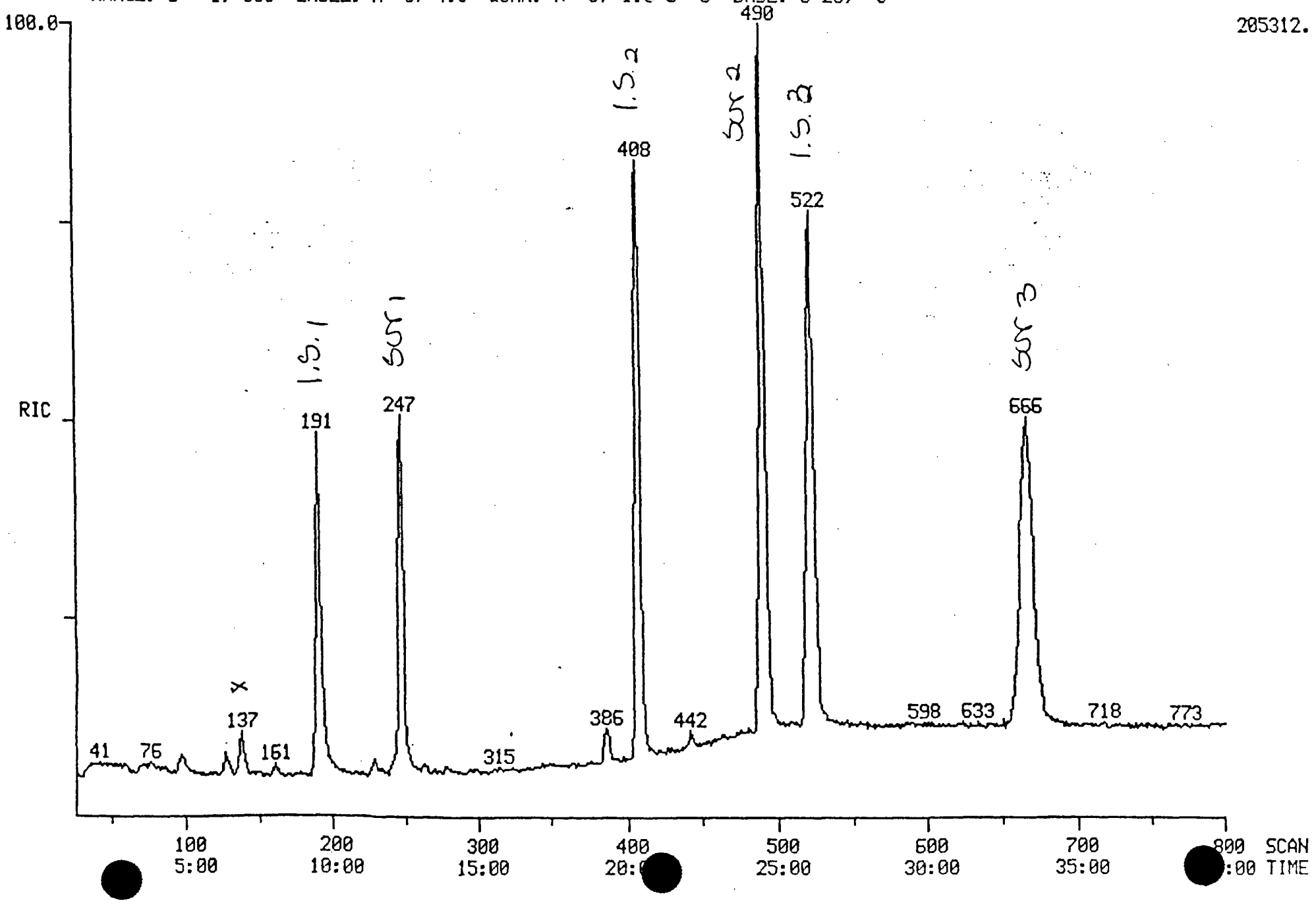
RIC
04/18/88 16:09:00
SAMPLE: B10 R-11 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOA8040280 #1 SCANS 25 TO 800
CALI: VOA8040280 #2

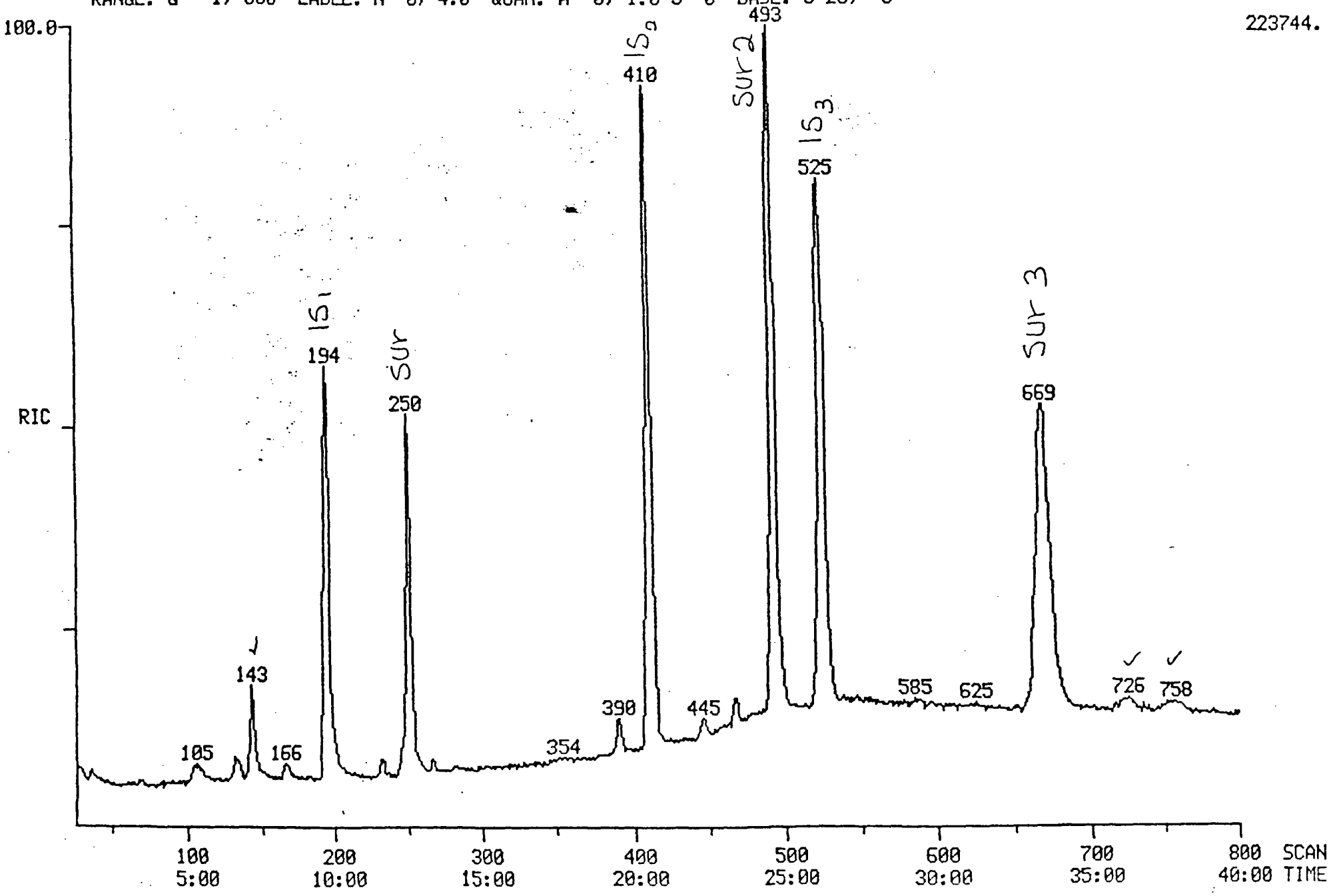


RIC
04/18/88 17:11:00
SAMPLE: B10 R-12 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOA8040281 #1 SCANS 25 TO 800
CALI: VOA8040281 #2



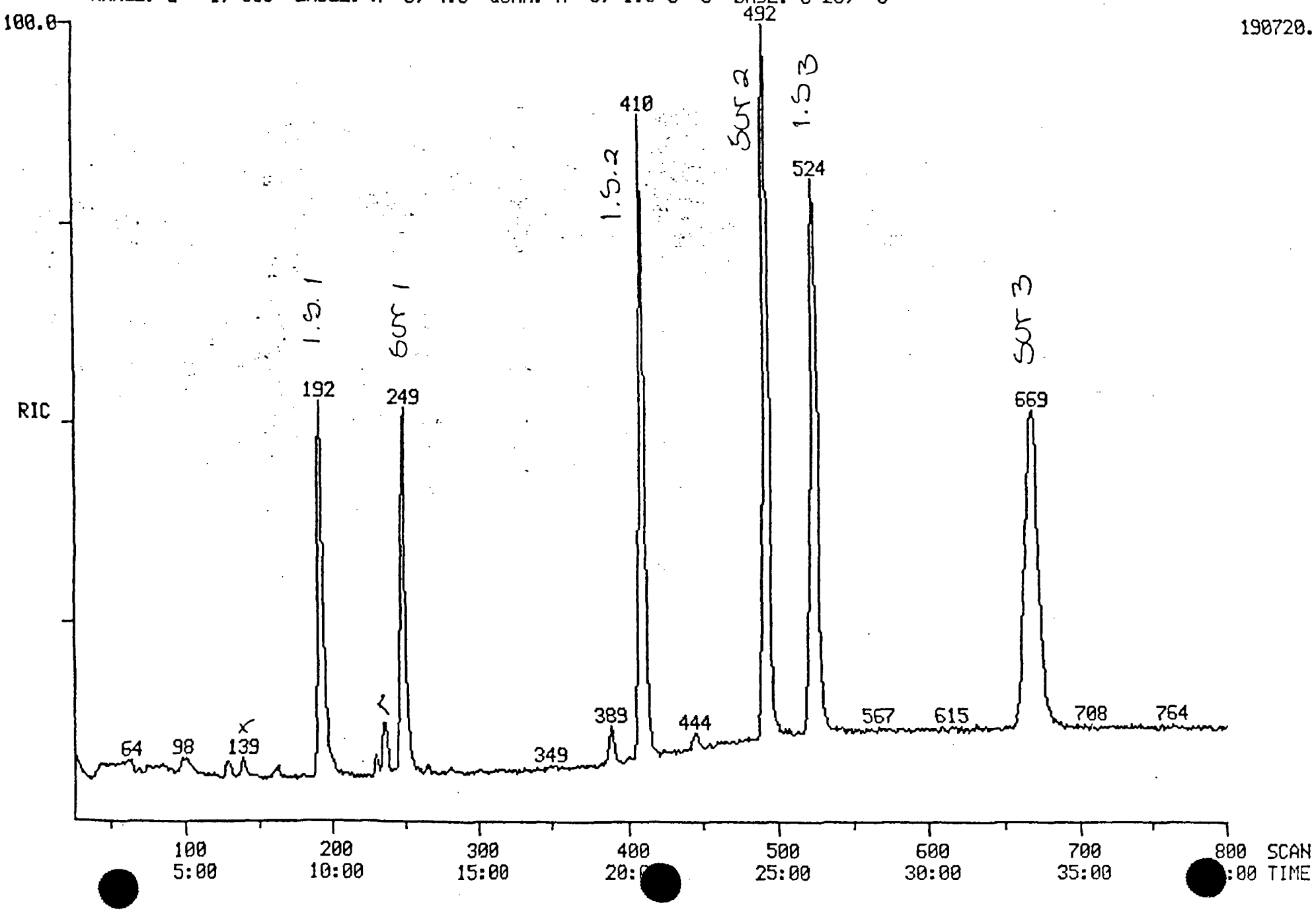
DATA: VOA8040[illegible] #1 SCANS 25 TO 800
04/14/88 13:36:00 CALI: VOA8040282 #2
SAMPLE: B11 R-13 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



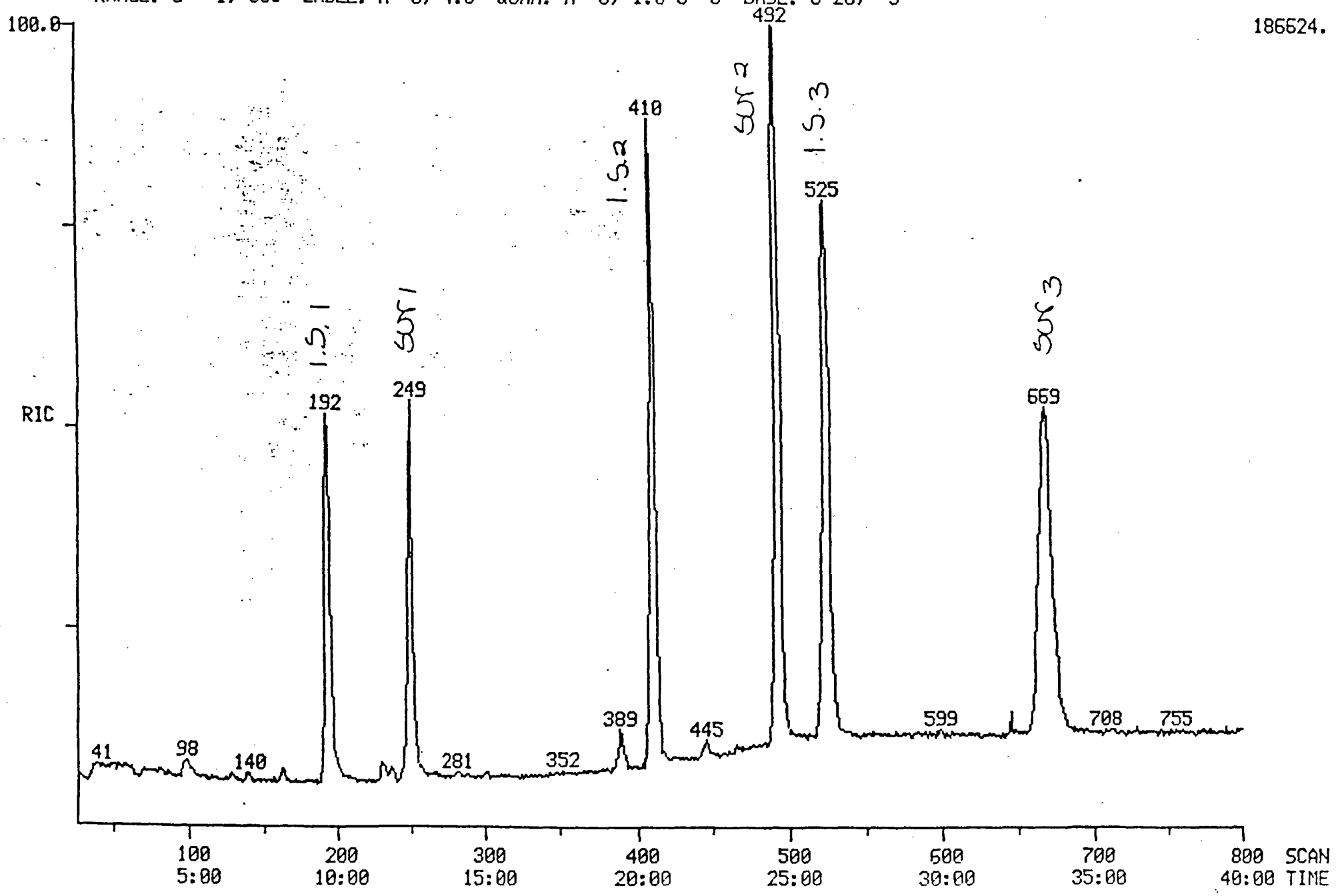
RIC
04/18/88 18:02:00
SAMPLE: B11 R-14 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOA8040283 #1
CALI: VOA8040283 #2

SCANS 25 TO 800

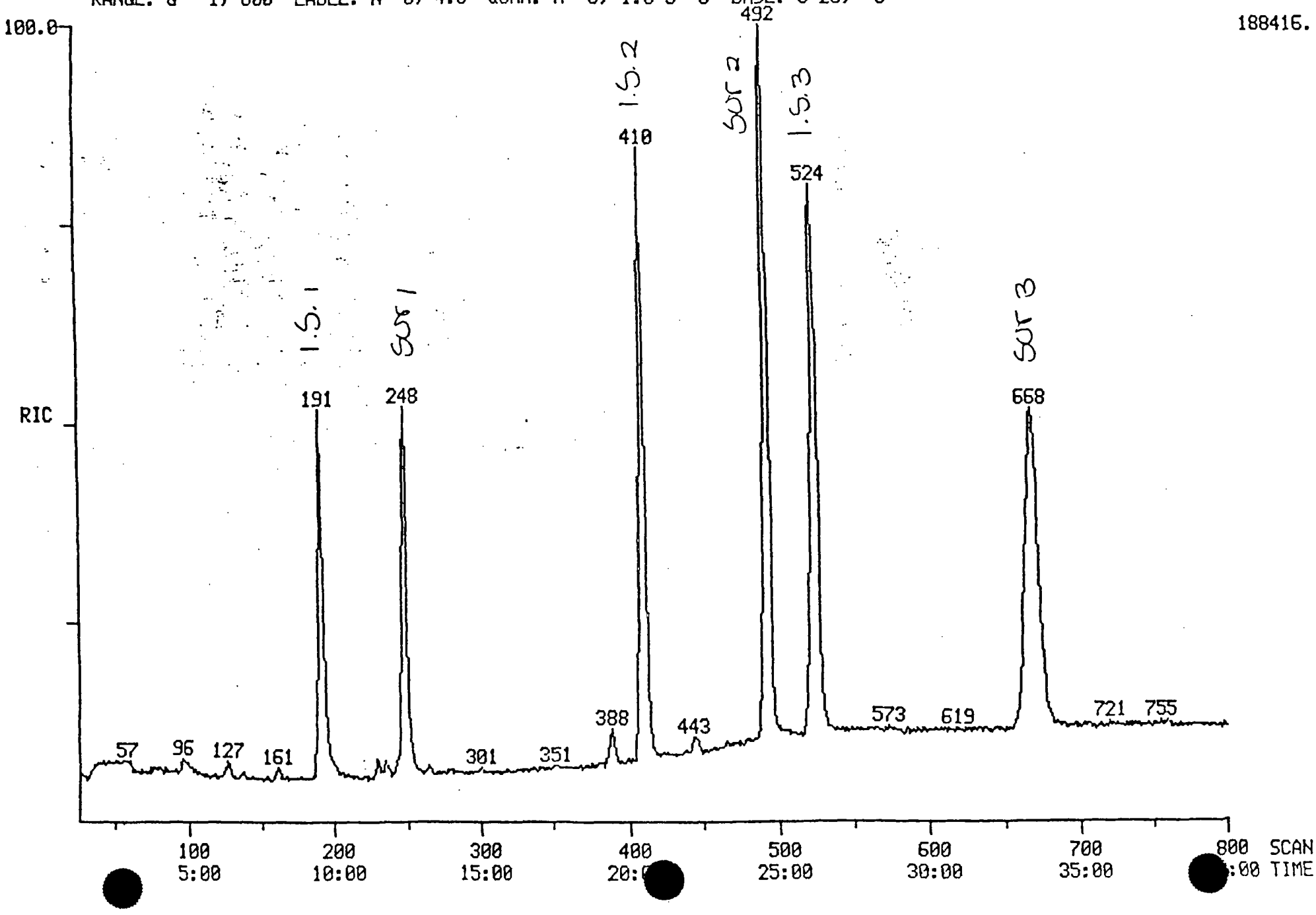


DATA: VOA8040284 #1 SCANS 25 TO 800
04/18/88 18:58:00 CALI: VOA8040284 #2
SAMPLE: B11 R-15 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

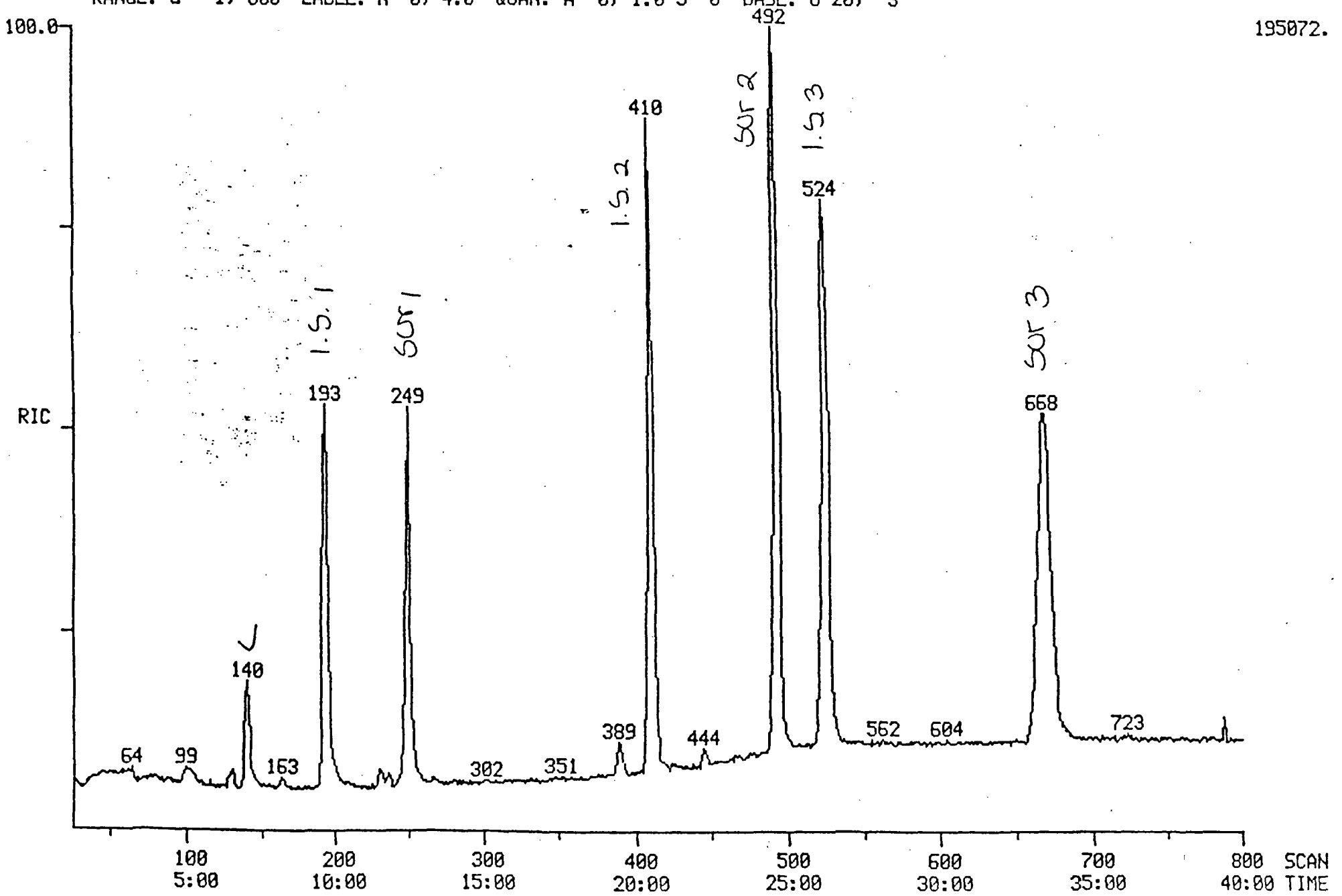


RIC
04/18/88 19:51:00
SAMPLE: B11 R-16 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOA8040285 #1 SCANS 25 TO 800
CALI: VOA8040285 #2

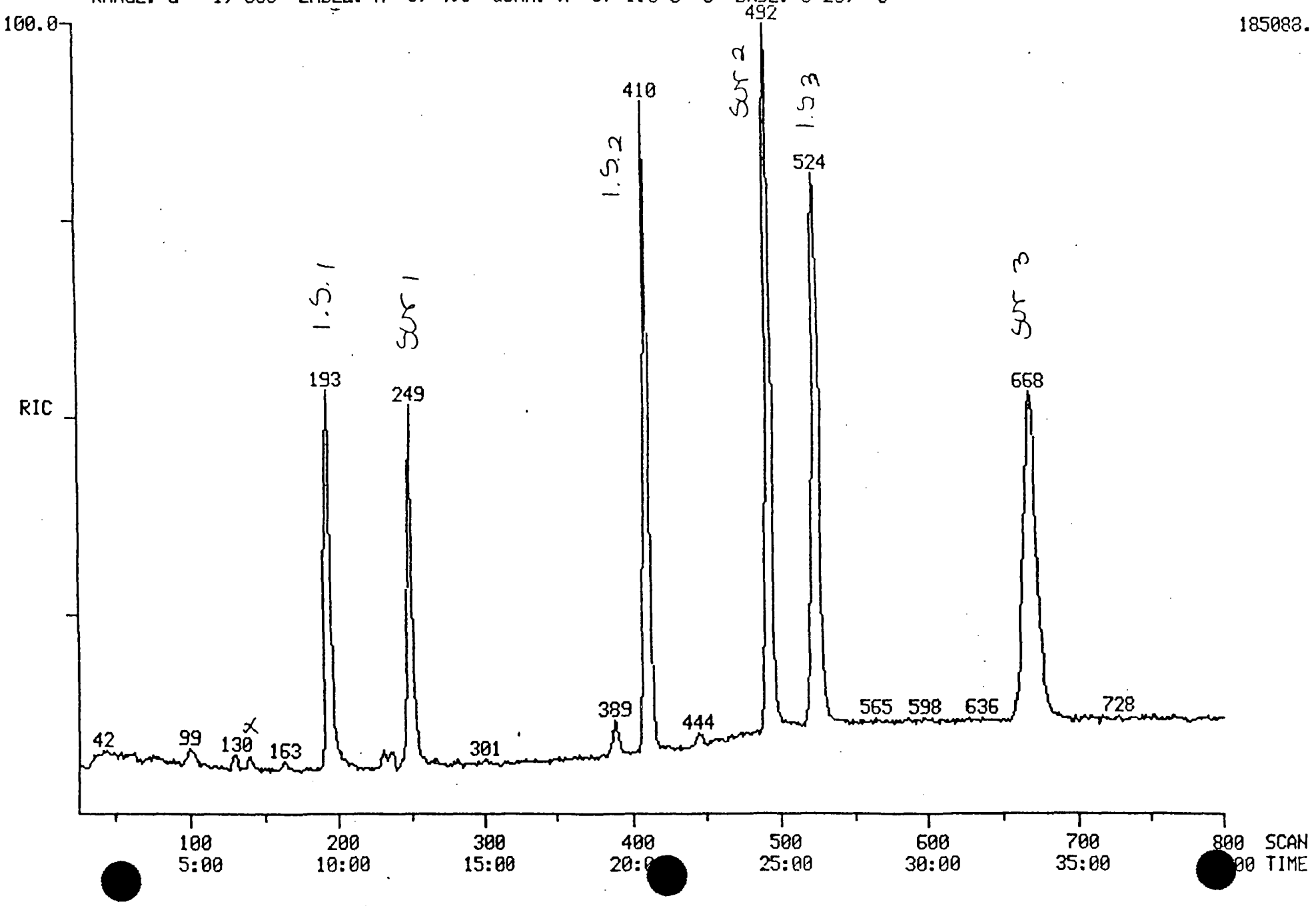


DATA: VOA80402[illegible] #1 SCANS 25 TO 800
04/18/88 20:49:00 CALI: VOA8040286 #2
SAMPLE: B11 R-17 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

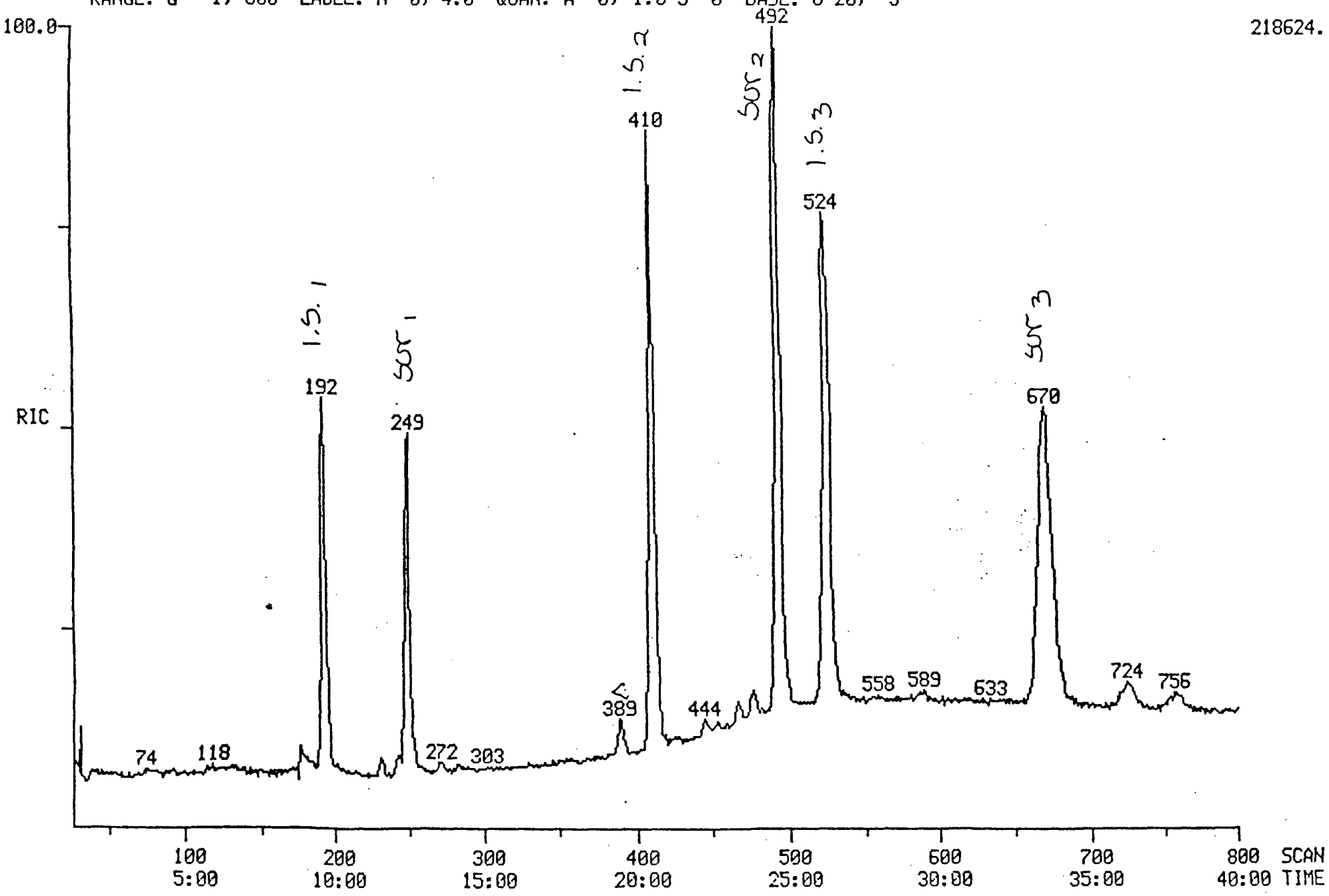


RIC
04/18/88 21:50:00
SAMPLE: B11 R-18 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOA8040287 #1 SCANS 25 TO 800
CALI: VOA8040287 #2



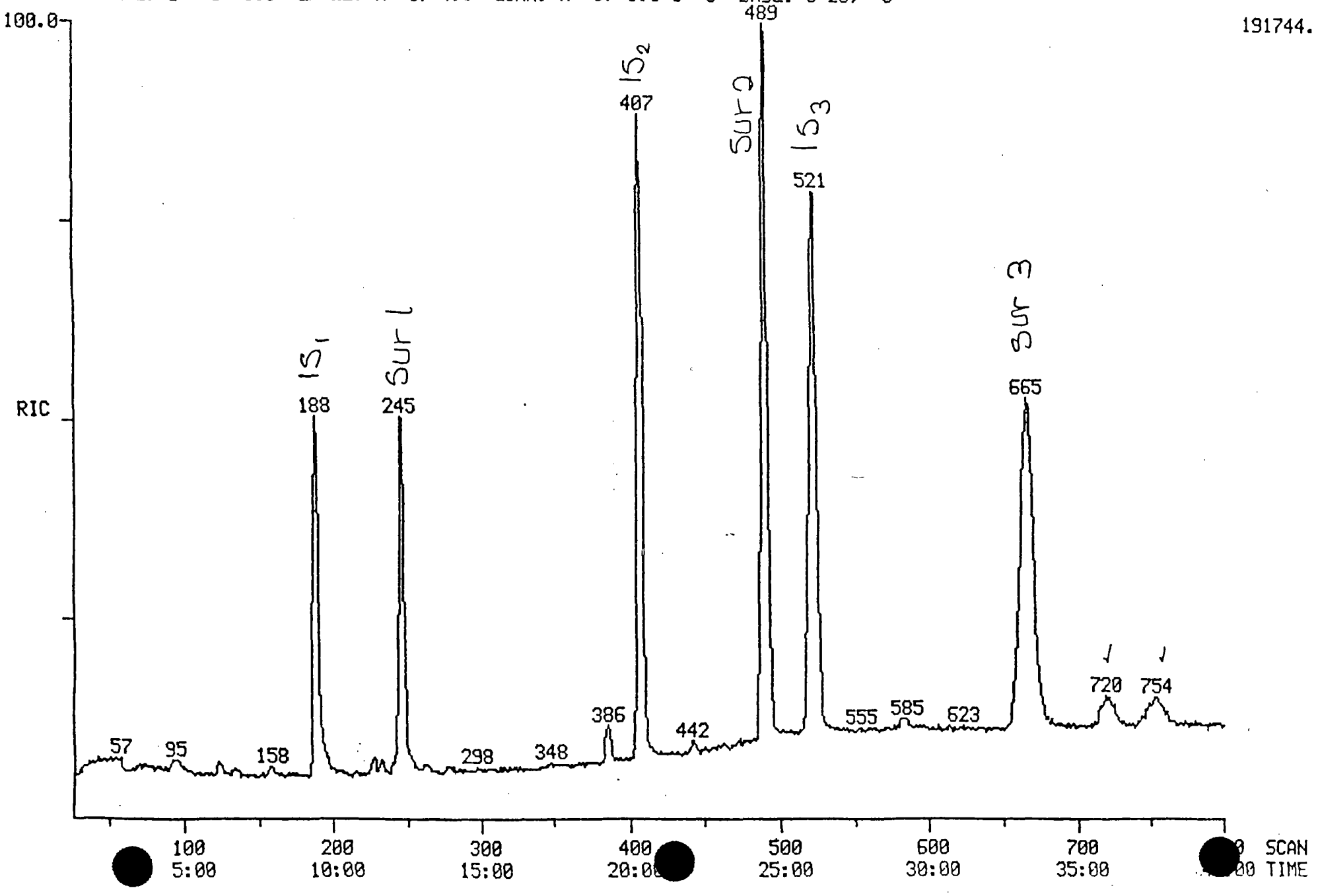
DATA: VOA80402[illegible]#1 SCANS 25 TO 800
04/15/88 11:46:00 CALI: VOA8040288 #2
SAMPLE: B12 R-19 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



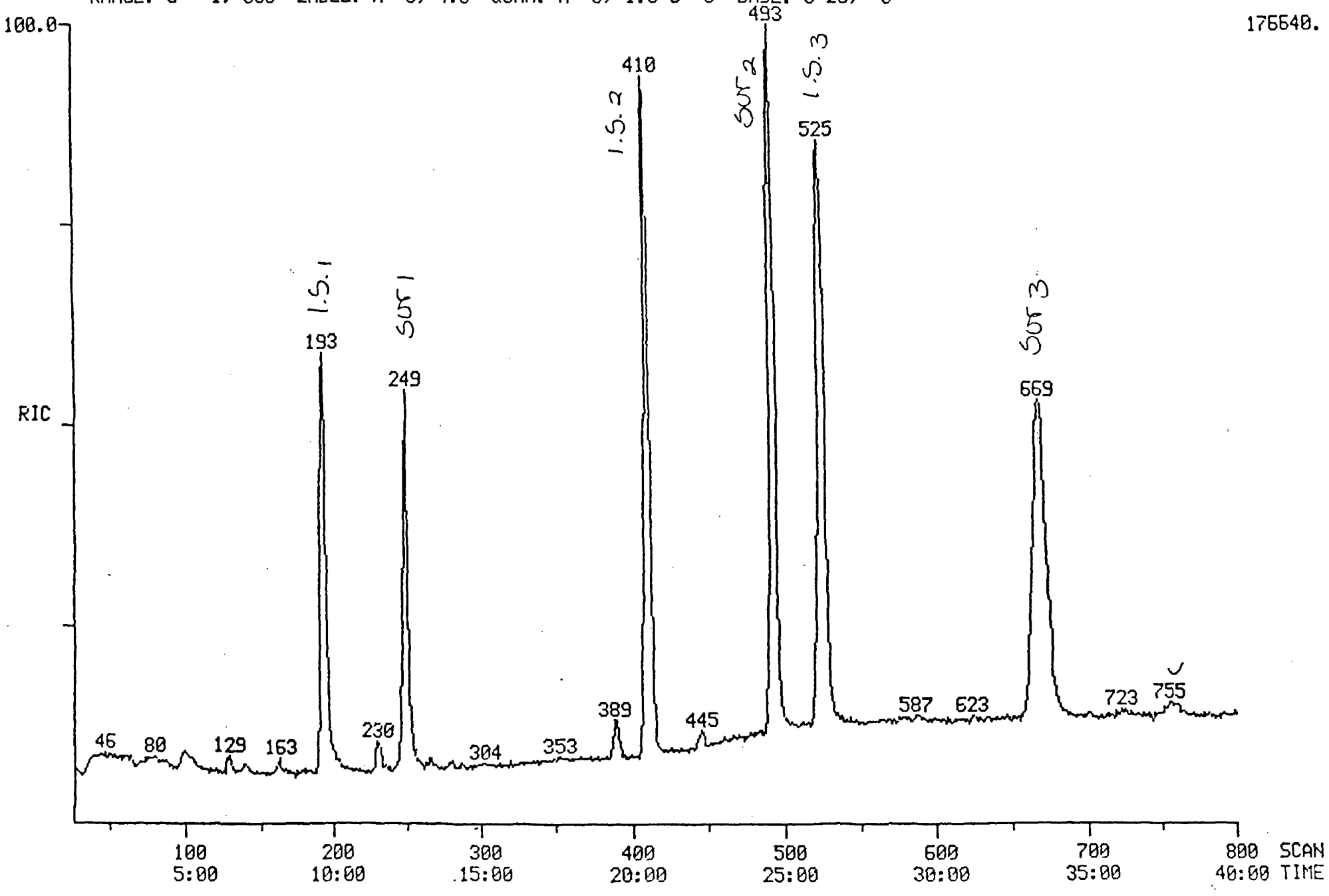
RIC
04/18/88 22:40:00
SAMPLE: B12 R-20 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOA8040289 #1
CALI: VOA8040289 #2

SCANS 25 TO 800

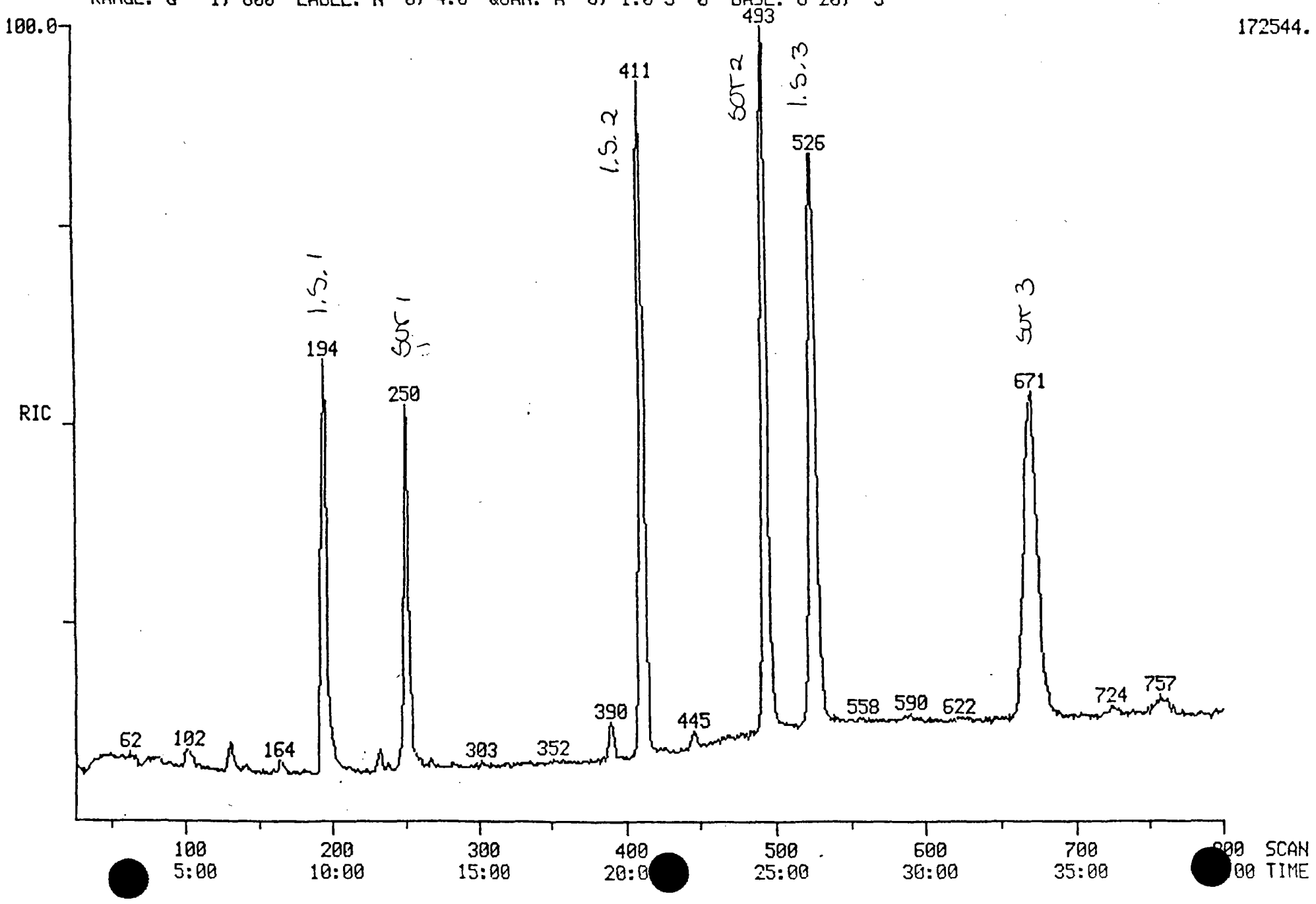


DATA: VOA8040250 #1 SCANS 25 TO 800
04/19/88 12:29:00 CALI: VOA8040290 #2
SAMPLE: B12 R-21 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



RIC
04/19/88 13:32:00
SAMPLE: B12 R-21 (200UL OF 5GM/10ML MEOH)
CONDS.: VOA METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOA8040290D #1 SCANS 25 TO 800
CALI: VOA8040290D #2



SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

Q.C. DATA REPORT

Analyst: G.Brock
Date of Analysis: 4/26/88
Method of Analysis: Alcohols by GC
Detection Limit: 1.0
Units: ppm

Sample Number	Analyte	Original Result	Duplicate Result	% Deviation
8040276	Acetone	< 10	< 1.0	0
8040273	Acetone	2.7	4.2	64

Sample Number	Analyte	Sample Contribution	Spike Added	Spike Result	% Recovery
8040276	Acetone	< 1.0	25	13	52
8040273	Acetone	3.5	50	42	77

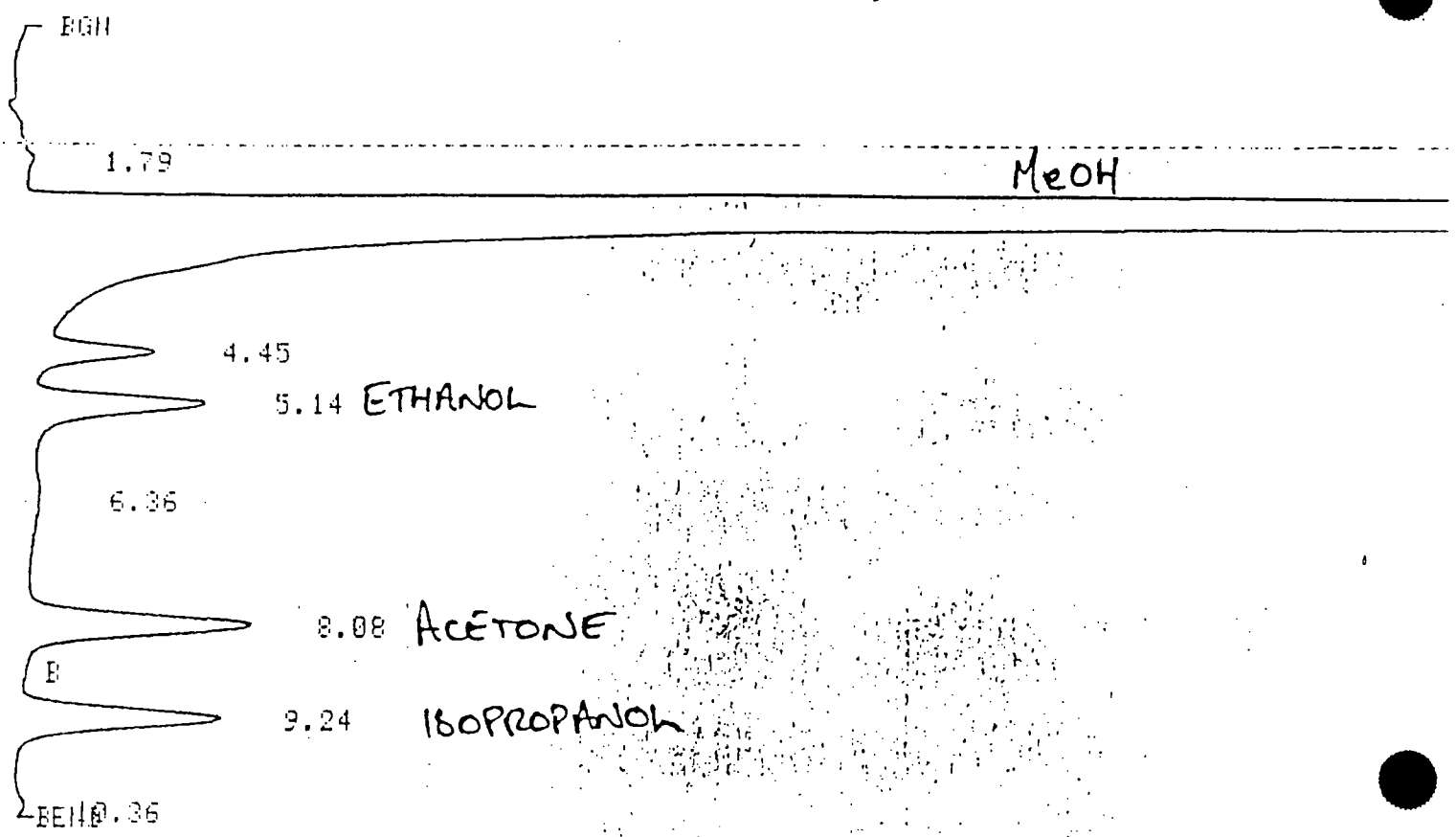
SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

20:40 88/04/25

5 ALCOHOLS HSP

1cc of 300ppm. STD.



RUN 23 20:40 88/04/25

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
1.79	2.0791	T	0.4938
2.49	386.5137	T	91.8076
4.45	5.4513	T	1.2948
5.14	8.5006	T	2.0191
6.36	2.7934	T	0.6635
8.08	8.4130		1.9983
9.24	7.0705	V	1.6794
10.36	0.1818		0.0431

8 PEAKS > AREA/HT REJECT

Blank

20:51 88/04/25

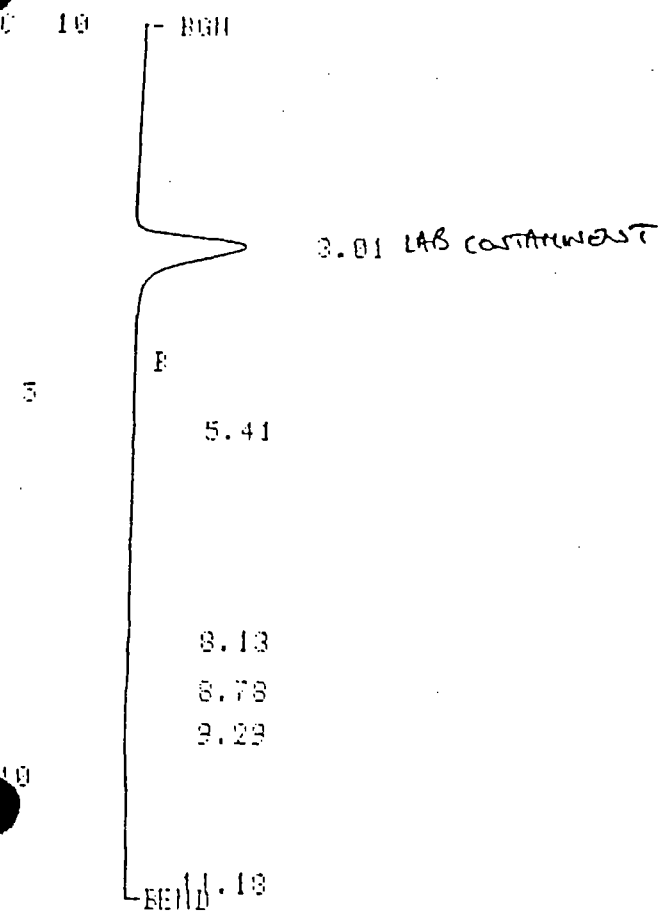
5 ALCOHOLS HSP

0 BGN

D.I.

4 13:48 88/04/28

METHOD 3 MODIFIED



RUN 4 13:48 88/04/28

METHOD 3 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
3.01	40.6144		96.9113
5.41	0.3679	V	0.8778
8.13	0.4921	T	1.1742
8.78	0.0349	T	0.0834
9.29	0.0558	V	0.1331
11.18	0.3436		0.8199

6 PEAKS > AREA/HT REJECT

Int # 8010629.

14:26 88/04/28

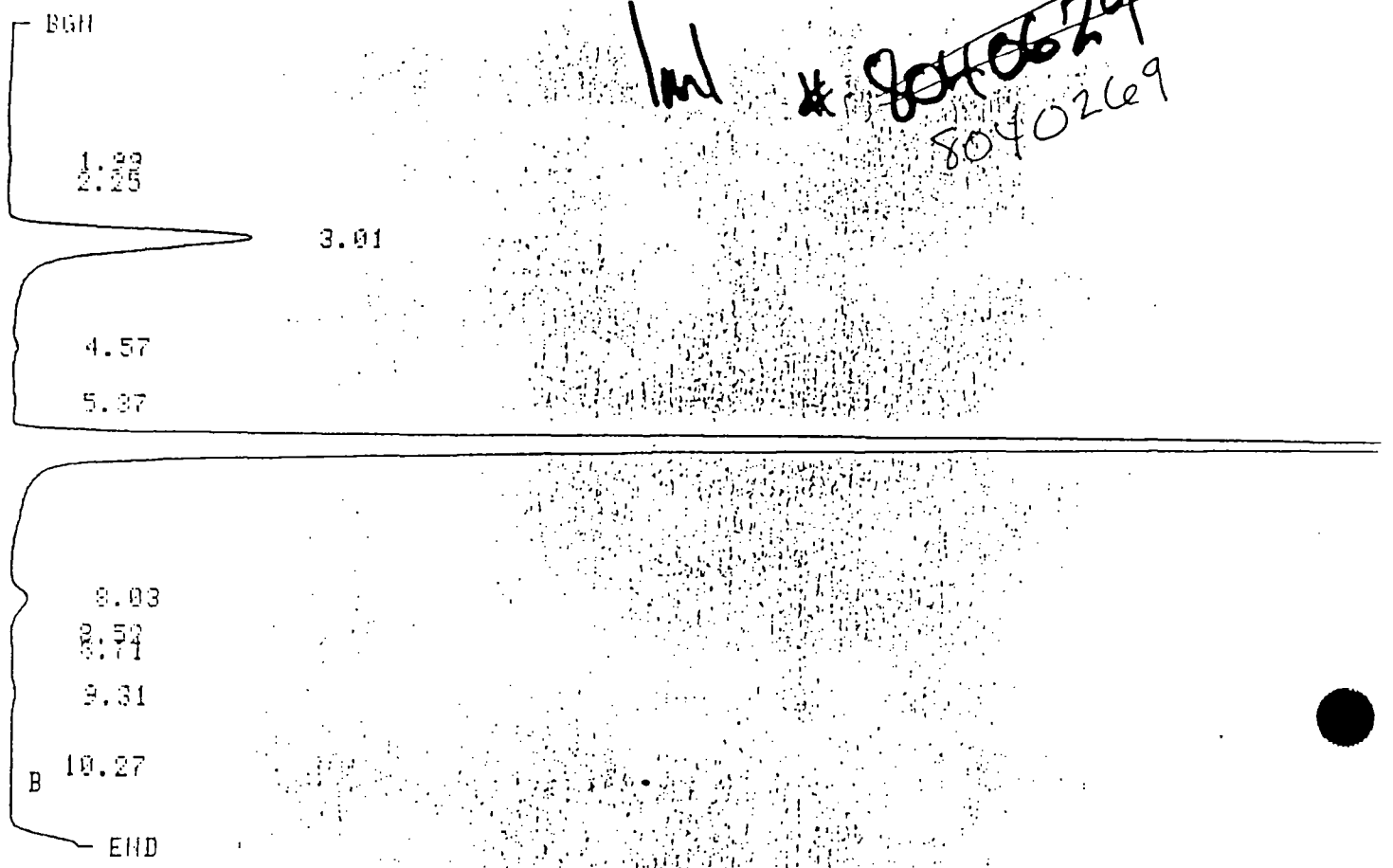
METHOD 3 ALCOHOLS

10 BGH

11 PEAKS > AREA/HT REJECT

1 14:26 88/04/28

3 ALCOHOLS



lml # ~~8040629~~
8040269

RUN 1 14:26 88/04/28

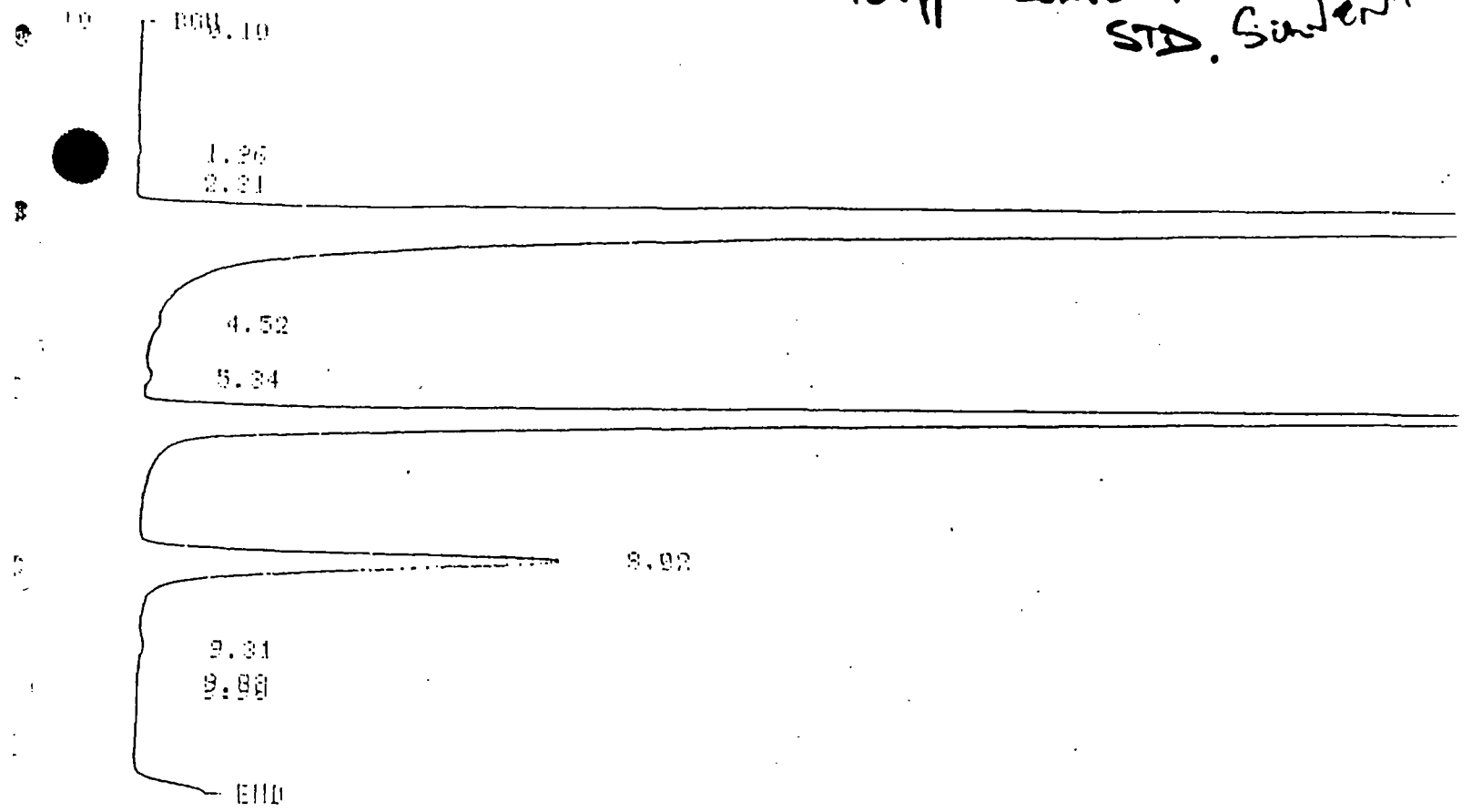
METHOD 3 ALCOHOLS CALCULATION: %

RT	AREA	BC	AREA %
1.99	0.1954	T	0.1460
2.25	0.0939	T	0.0701
3.01	24.9507	T	18.6446
4.57	1.0996	T	0.8217
5.37	0.9227	T	0.6895
5.94	104.1262	T	77.8092
8.03	1.6281	T	1.2166
8.52	0.0338	T	0.0253
8.71	0.1142	T	0.0853
9.31	0.4915	T	0.3673
10.27	0.1658		0.1239

11 PEAKS > AREA/HT REJECT

3 ALCOHOLS

100ppb SOLVENT
STD. Solvent



R 2 14:55 88/04/20

METHOD 3 ALCOHOLS CALCULATION: %

RT	AREA	BC	AREA %
0.10	0.0186	V	0.0037
1.96	0.1485	T	0.0298
2.31	0.0762	T	0.0153
2.96	344.2326	T	69.1792
4.52	3.1407	T	0.6311
5.34	1.8722	T	0.3762
5.94	113.1499	T	22.7393
8.02	34.1162	T	6.8562
9.31	0.7942	T	0.1596
9.83	0.0265	T	0.0053
9.90	0.0193	V	0.0038

11 PEAKS > AREA/HT REJECT

15:34 88/04/20

3 ALCOHOLS

10 EGN

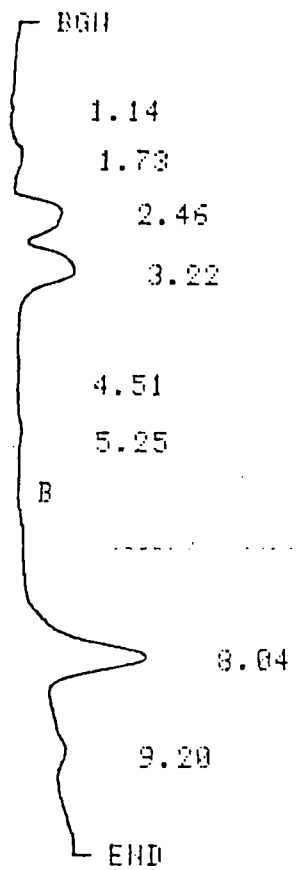
5.22

101

21:10 88/04/25

2cc 8040270

5 ALCOHOLS HSP



RUN 26 21:10 88/04/25

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
1.14	0.0496	T	0.3987
1.73	0.7869	T	6.3178
2.46	2.7388	T	21.9881 — 0.72ppm
3.22	3.8217	T	30.6815
4.51	0.1153	V	0.9261
5.25	0.0268		0.2152
8.04	4.2433	T	34.0665 — 0.77ppm
9.20	0.6733	V	5.4058

8 PEAKS > AREA/HT REJECT

RUN DEVIATIONS

TIME	ZONE	CHANGE	TYPE

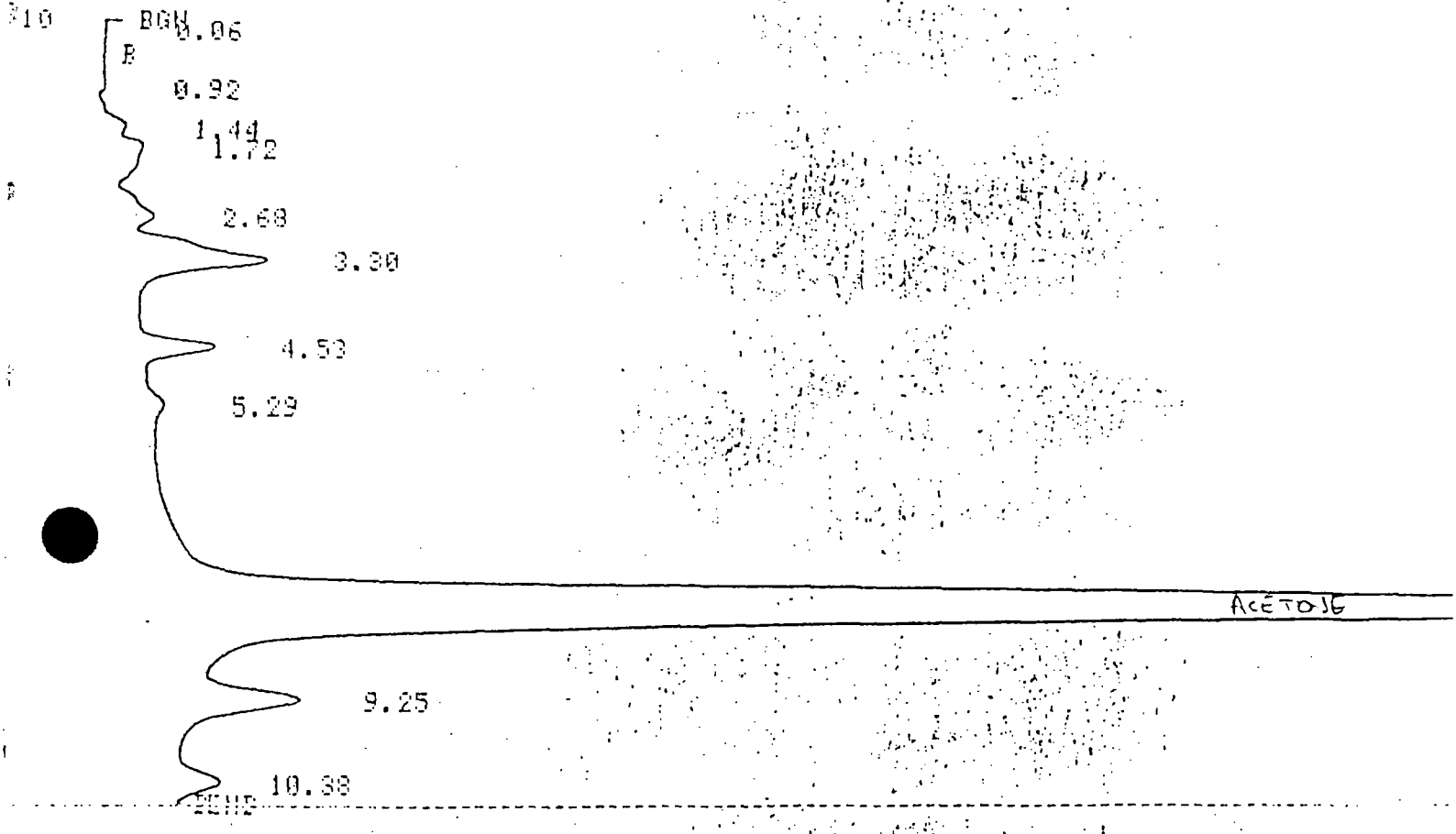
5.24	0.2653	T	6.8369
6.31	0.4180	T	10.7700
7.96	1.6127	V	41.5478

7 PEAKS > AREA/HT REJECT

19:45 88/04/25

5 ALCOHOLS HSP

2ce # 8041027 (10)



RUN 18 19:45 88/04/25

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %	
0.06	0.0436		0.0302	
0.92	0.1055	V	0.0732	
1.44	0.8034	T	0.5617	
1.72	2.2828	T	1.5844	
2.68	1.9782	T	1.3730	
3.30	7.8172	T	5.4256	
4.53	2.8308	T	1.9647	
5.29	0.9133	T	0.6339	
8.06	118.3567	T	82.1476	— 25ppm
9.25	7.1585	T	4.9685	— 1.6ppm
10.38	1.7816		1.2365	

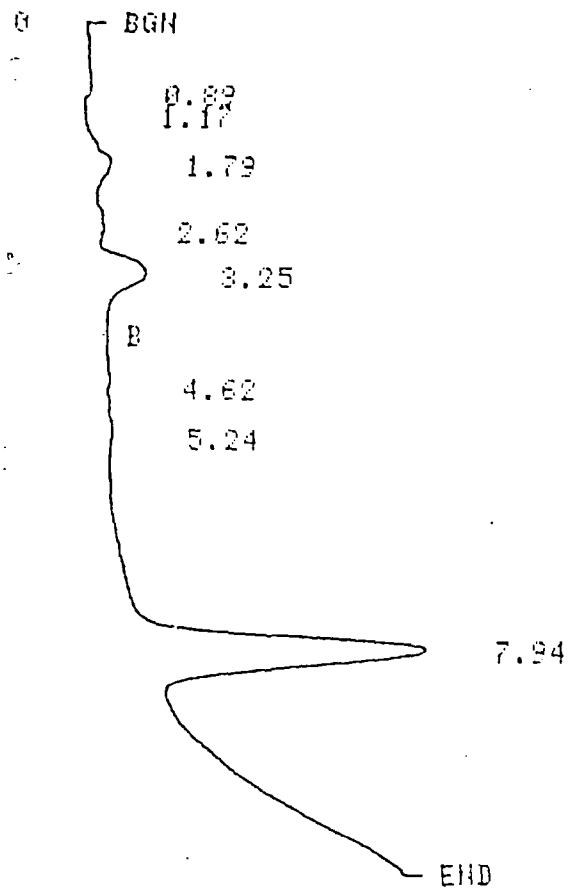
11 PEAKS > AREA/HT REJECT

[illegible]	[illegible]	V	[illegible]
5.35	0.3768		4.7208

9 PEAKS > AREA/HT REJECT

21:35 88/04/25 2cc 8040272 10y

ALCOHOLS HSP



RUN 28 21:35 88/04/25

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
0.89	0.3056	V	2.0623
1.17	0.0256	V	0.1731
1.79	1.1847	T	7.9930
2.62	0.4616	T	3.1143
3.25	2.5438		17.1621
4.62	0.0401	T	0.2708
5.24	0.1657	V	1.1183
7.94	10.0949	V	68.1057 — 1.8 ppm.

8 PEAKS > AREA/HT REJECT

L.c

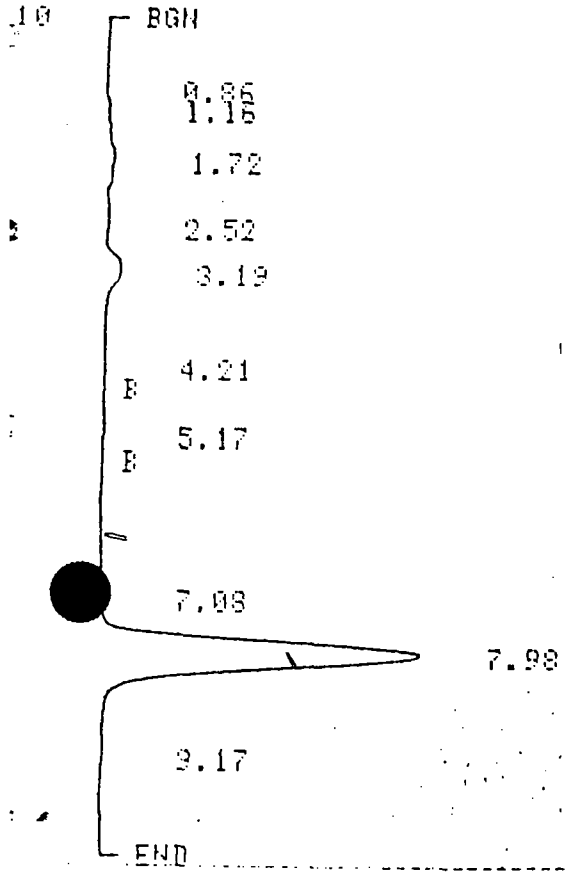
9.12	0.3468	6.4704
8.52	0.6136	11.4460
10.06	0.3123	5.8269

8 PEAKS > AREA/HT REJECT

15:28 88/04/26

2cc * 8040273 (10s)

5 ALCOHOLS HSP



RUN 15 15:28 88/04/26

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
0.86	0.0171	V	0.1000
1.16	0.0738	T	0.4310
1.72	0.7277	T	4.2508
2.52	0.2479	T	1.4484
3.19	1.0322	T	6.0293
4.21	0.0706		0.4127
5.17	0.0521		0.3046
[illegible]	0.0157	V	0.0917
7.98	14.7872	T	86.3714 2.7μ
9.17	0.0958	V	0.5597

<1.0

10 PEAKS > AREA/HT REJECT

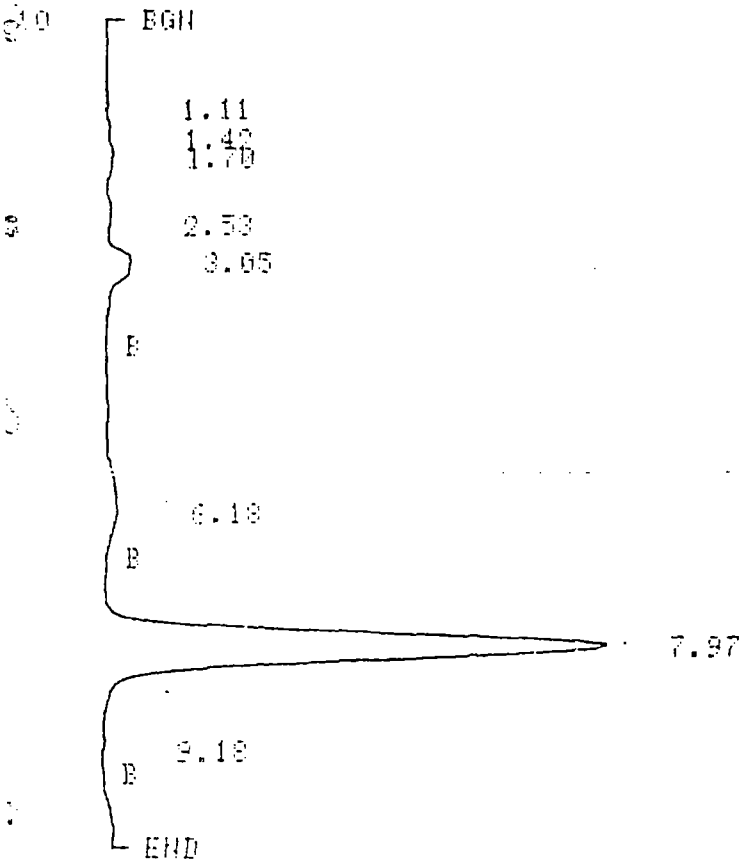
7.53	0.4754	T	5.9324
8.04	1.2023	V	15.0025
9.14	2.7812	V	34.7023

2 PEAKS > AREA/HT REJECT

19:03 88/04/26

2cc # 8040273 (112).

5 ALCOHOLS HSP



RUN 84 19:03 88/04/26

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
1.11	0.0557	T	0.2144
1.42	0.1083	T	0.4168
1.70	0.2934	T	1.1289
2.53	0.1976	T	0.7601
3.05	1.3050		5.0200
6.18	0.9316		3.5836
7.97	23.0656	T	88.7221 4.2
9.18	0.0399		0.1538

8 PEAKS > AREA/HT REJECT

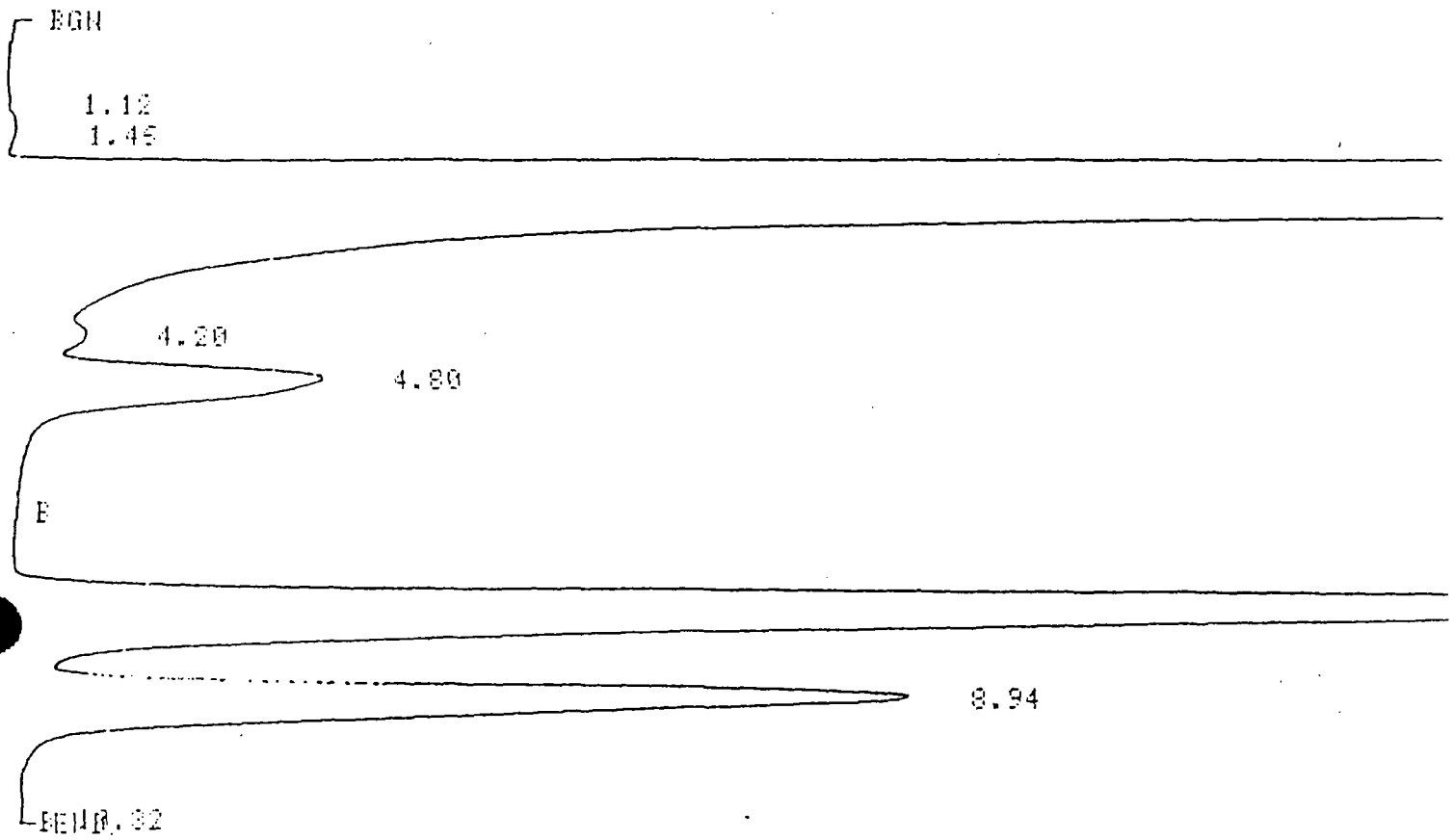
8.00	0.8443	26.7517

6 PEAKS > AREA/HT REJECT

19:58 88/04/26

2cc # 8040273 rsp. (50ppm)

5 ALCOHOLS HSP



UN 39 19:58 88/04/26

ETHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
1.12	0.0670	T	0.0074
1.46	0.4066	V	0.0453
2.14	707.4755	T	78.9623
4.20	3.7066	T	0.4136
4.80	20.9107		2.3338
7.78	117.3402	T	13.0965
8.94	45.9934	T	5.1333
10.32	0.0660		0.0073

42

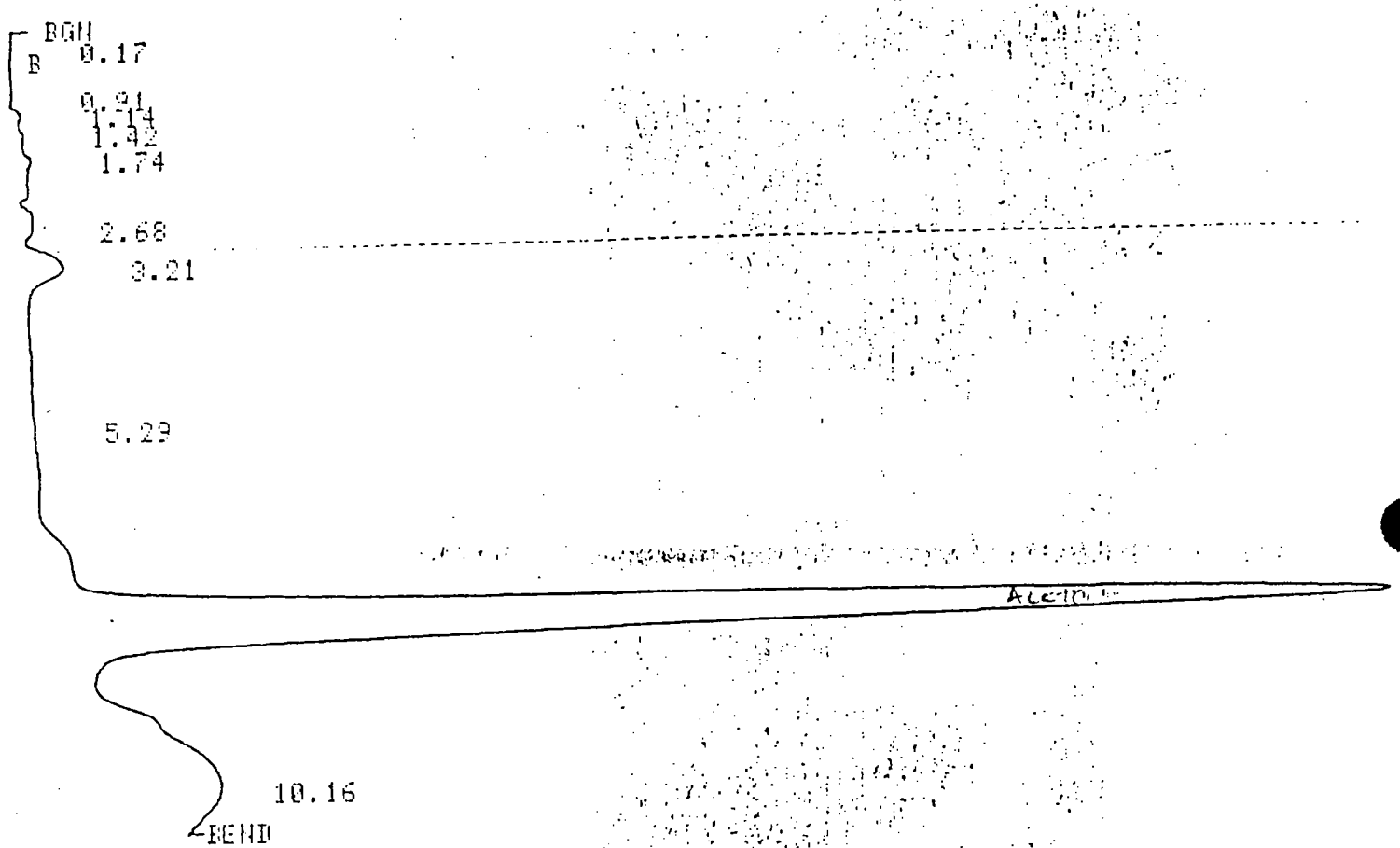
6 PEAKS > AREA/HT REJECT

5.28

2cc 8090274 10g

21:57 88/04/25

ALCOHOLS HSP



JN 30 21:57 88/04/25

ETHOD 5 ALCOHOLS HSP CALCULATION:

RT	AREA	BC	AREA %
0.17	0.0121		0.0145
0.91	0.0646	U	0.0775
1.14	0.2478	T	0.2974
1.42	0.4178	T	0.5014
1.74	1.1916	T	1.4300
2.68	0.7462	T	0.8955
3.21	2.3294	T	2.7953
5.29	0.0382	U	0.0459
7.91	68.6737	U	82.4104
10.16	9.6095		11.5317

— 12ppm.

10 PEAKS > AREA/HT REJECT

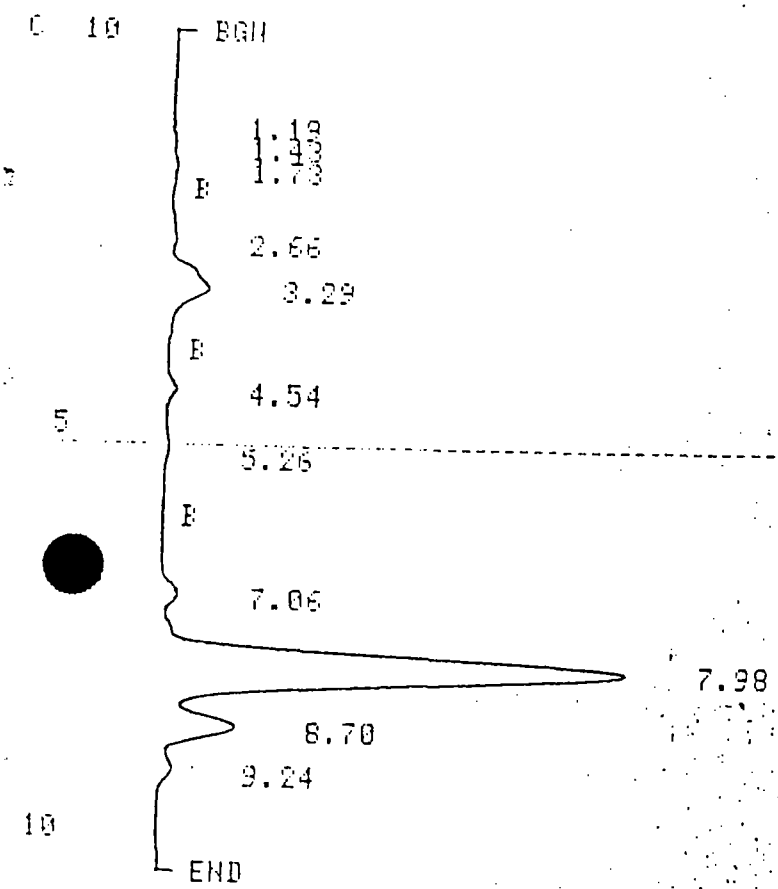
2.61	0.0419	V	6.5800
3.21	0.2030		31.9569
5.10	0.0695		10.9066
7.01	0.0123	V	1.9357
8.05	0.0512		8.0372

8 PEAKS > AREA/HT REJECT

9 13:44 88/04/26

Jcc # 8040215 (12).

DD 5 ALCOHOLS HSP



RUN 9 13:44 88/04/26

METHOD 5 ALCOHOLS HSP CALCULATION:

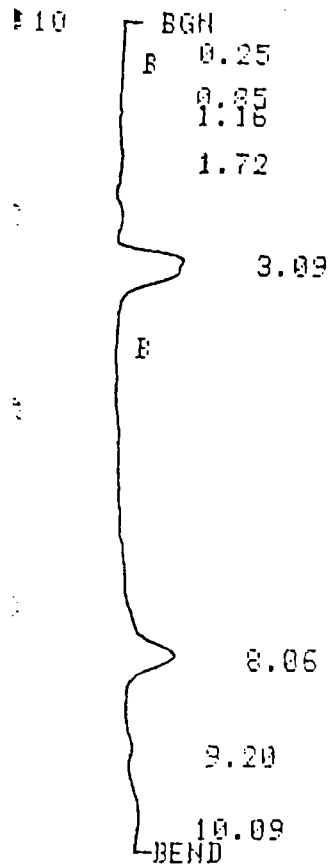
RT	AREA	BC	AREA %	
1.19	0.0361	T	0.1289	
1.43	0.0561	T	0.2004	
1.73	0.1107		0.3950	
2.66	0.2046	T	0.7301	
3.29	1.9756		7.0482	
4.54	0.2567	T	0.9160	
5.26	0.1529		0.5456	
7.06	0.6249	T	2.2294	
7.98	20.9987	T	74.9154	— 4.0ppm
8.70	2.9943	T	10.6827	— <1.0
9.24	0.6188	V	2.2077	

11 PEAKS > AREA/HT REJECT

9 16:11 88/04/26

2cc # 8040276 (w2).

5 ALCOHOLS HSP



RUN 19 16:11 88/04/26

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
0.25	0.0168		0.2545
0.85	0.0170	V	0.2567
1.16	0.0459	V	0.6926
1.72	0.1620	V	2.4440
3.09	3.3702		50.8325
8.06	2.5017	V	37.7335
9.20	0.0977	V	1.4737
10.09	0.4185		6.3121

<1.0

0.48 ppm

8 PEAKS > AREA/HT REJECT

Air

16:22 88/04/26

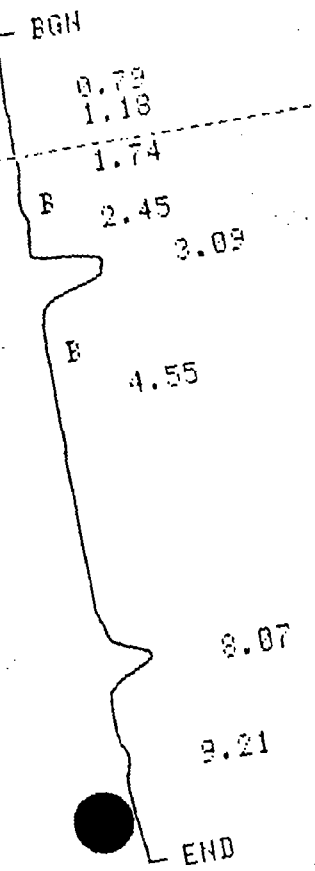
5 ALCOHOLS HSP

0 BGN

2cc #8040276 (DJP).

6:34 88/04/26

LCOHOLS HSP



RUN 21 16:34 88/04/26

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
0.79	0.0257	V	0.4018
1.18	0.0360	V	0.5622
1.74	0.0795		1.2427
2.45	0.2127	T	3.3229
3.09	3.6511		57.0280
4.55	0.0418	V	0.6528
8.07	2.1333	V	33.3205
9.21	0.2220	V	3.4687

0.41 ppm

8 PEAKS > AREA/HT REJECT

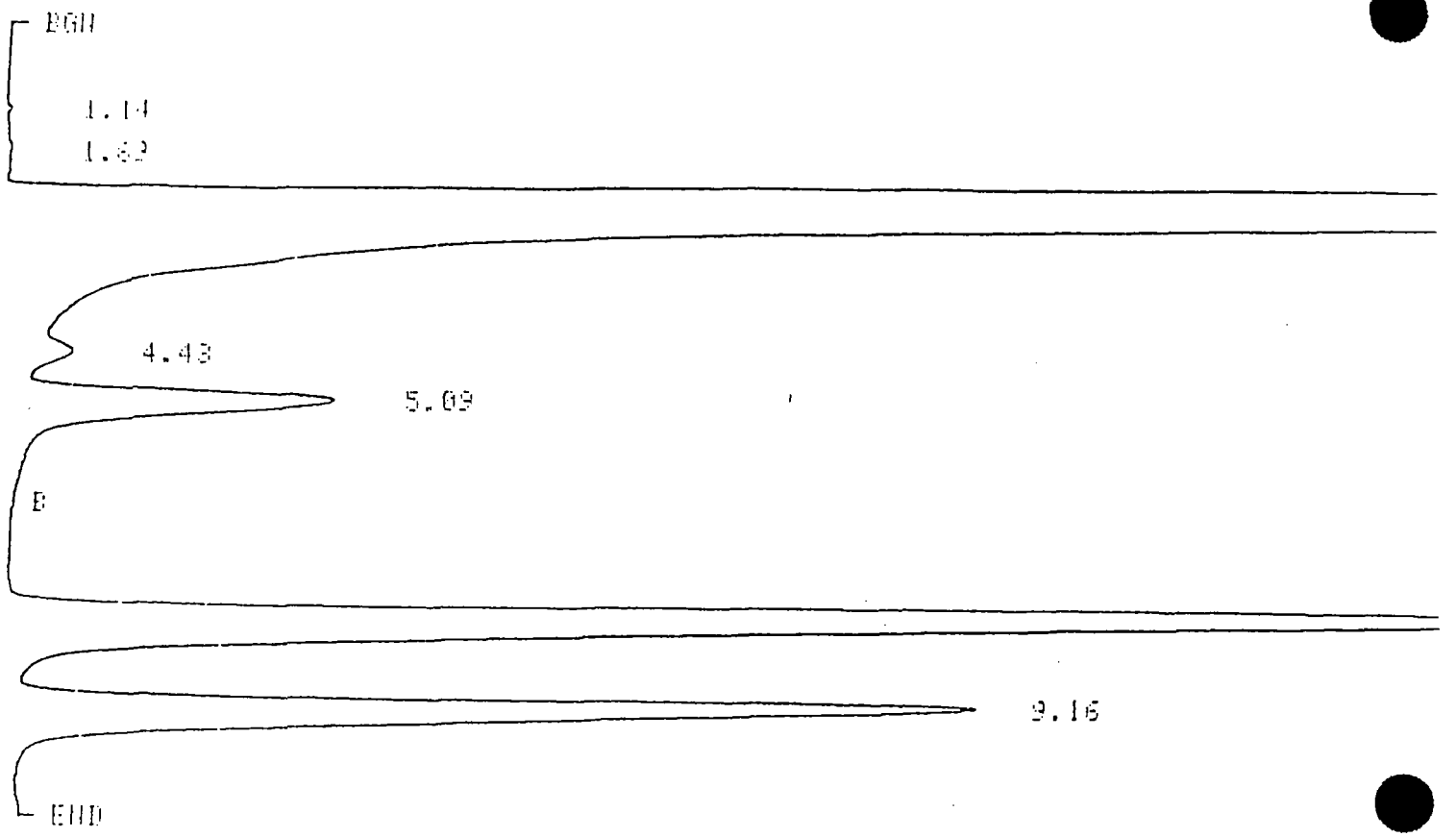
16:46 88/04/26

COHOLS HSP

16:46 88/04/26

2ce # 8040276 +SP 25ppm

5 ALCOHOLS HSP



RUN 22 16:46 88/04/26

METHOD 5 ALCOHOLS HSP CALCULATION: %

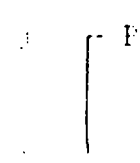
RT	AREA	BC	AREA %	
1.14	0.0851	T	0.0142	
1.69	0.2666	V	0.0444	
2.42	476.3889	T	79.4656	
4.43	3.1975	T	0.5333	
5.09	15.4492		2.5770	
8.03	68.0096	T	11.3445	B
9.16	36.0932	V	6.0206	

7 PEAKS > AREA/HT REJECT

Air

16:58 88/04/26

ALCOHOLS HSP



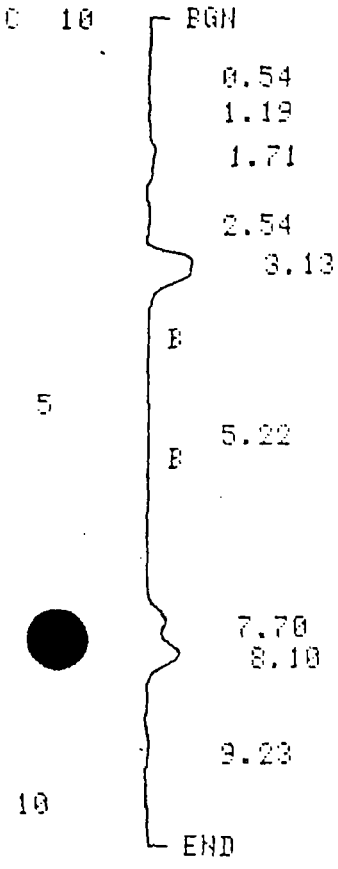
9.28	0.0522	V	7.6294

10 PEAKS > AREA/HT REJECT

5 12:12 88/04/26

2cc #8040277 (10s)

OD 5 ALCOHOLS HSP



RUN 5 12:12 88/04/26

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BS	AREA %
0.54	0.0613	V	1.0971
1.19	0.0605	T	1.0822
1.71	0.5317	T	9.5101
2.54	0.1601	T	2.8642
3.13	2.4500		43.8160
5.22	0.0733		1.3116
7.70	0.7056	T	12.6200
8.10	1.4099	T	25.2147
9.23	0.1388	V	2.4836

<1.0

9 PEAKS > AREA/HT REJECT

5 12:45 88/04/26

[illegible]	0.0012	V	11.1952
9.22	0.1730	V	3.8665

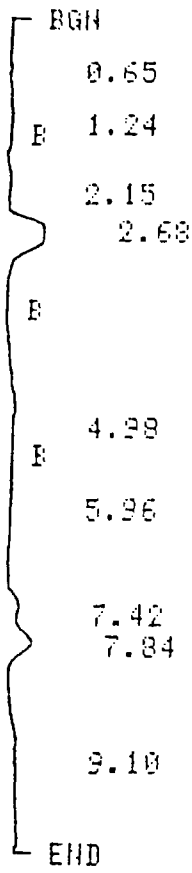
7 PEAKS > AREA/HT REJECT

Lec # 8040278 (13)

12 14:42 88/04/26

OD 5 ALCOHOLS HSP

C 10



RUN 12 14:42 88/04/26

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
0.65	0.0338	V	0.8216
1.24	0.1033		2.5081
2.15	0.1249	T	3.0332
2.68	1.9828		48.1411
4.98	0.1749		4.2479
5.96	0.1059	V	2.5716
7.42	0.3910	T	9.4933
7.84	0.9590	V	23.2845
9.10	0.2429	T	5.8983

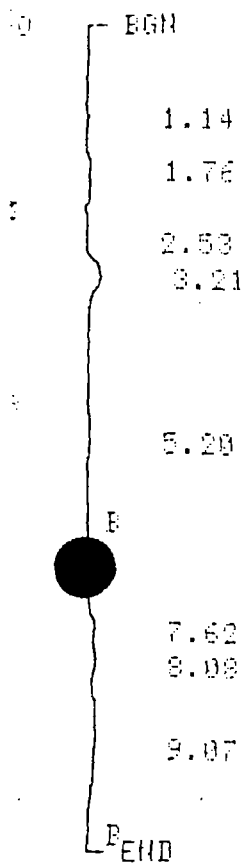
2.10

9 PEAKS > AREA/HT REJECT

19:24 88/04/26

2cc # 8040279 (10s).

5 ALCOHOLS HSP



JN 36 19:24 88/04/26

ETHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
1.14	0.0605	T	1.7193
1.76	0.4540	T	12.9022
2.53	0.1073	T	3.0489
3.21	1.0569	T	30.0291
5.20	0.5425		15.4145
7.62	0.2750	T	7.8147
[illegible]	0.2961	T	8.4134
[illegible]	0.7270		20.6575

8 PEAKS > AREA/HT REJECT

METHOD 5 ALCOHOLS HSP CALCULATION: %

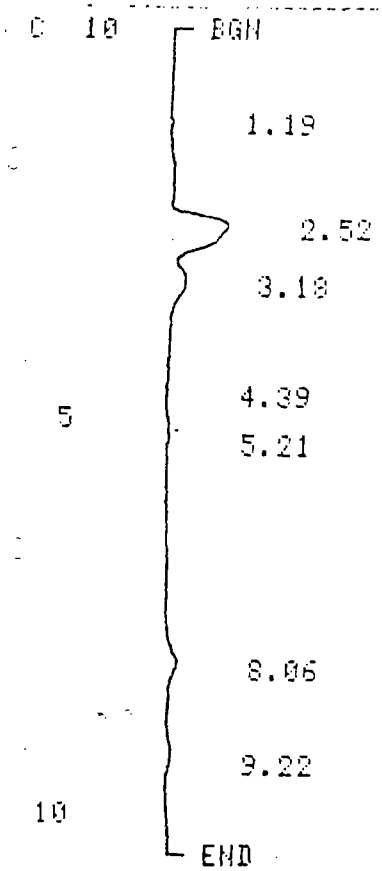
RT	AREA	BC	AREA %
0.96	0.0317	V	0.5728
1.20	0.0394	T	0.7112
3.29	0.3880		7.0011
5.14	0.0241	V	0.4350
6.42	4.6646	V	84.1568
9.15	0.1678	V	3.0281
10.31	0.2269		4.0947

7 PEAKS > AREA/HT REJECT

11 14:27 88/04/26

2cc # 8040280 (10)

OD 5 ALCOHOLS HSP



RUN 11 14:27 88/04/26

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
1.19	0.0343	V	0.7681
2.52	2.7800	T	62.0969
3.18	0.8728	V	19.4961
4.39	0.0257	V	0.5758
5.21	0.0895	V	2.0012
8.06	0.5012	V	11.1952

<1.0

15:58 88/04/26 2cc # 8040281 (10).

5 ALCOHOLS HSP

BGN

1.18
1.80
2.47
3.21
5.21
7.68
8.07

B

END

DN 18 15:58 88/04/26

ETHOD 5 ALCOHOLS HSP CALCULATION:

RT	AREA	BC	AREA %
1.18	0.0561	T	1.2025
1.80	0.2827	T	6.0592
2.47	0.1258	V	2.6977
3.21	1.8136	T	38.8676
5.21	0.0535	V	1.1476
7.68	0.6593	T	14.1300
8.07	1.6749		35.8951

210

7 PEAKS > AREA/HT REJECT

16:11 88/04/26

ALCOHOLS HSP

BGN
0.25

22:48 88/04/25

5 MODIFIED

2cc 8040282 10g

10 BGN

0.87
1.14
1.82
3.24
B
4.66
5.31
7.07
8.07

END

RUN 35 22:48 88/04/25

METHOD 5 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
0.87	0.0918	V	1.8256
1.14	0.0581	T	1.1558
1.82	1.0316	V	20.5133
3.24	2.4734		49.1791
4.66	0.1458	T	2.8991
5.31	0.3155	V	6.2749
7.07	0.0287	V	0.5723
8.07	0.8841	T	17.5753

<1.0

8 PEAKS > AREA/HT REJECT

23:00 88/04/25

5 MODIFIED

10 BGN

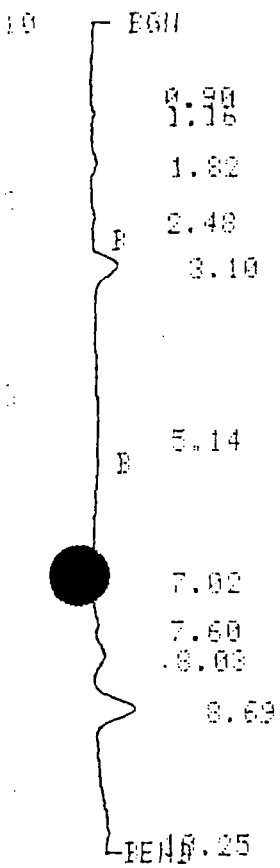
2.44	0.2225		6.2665
3.12	1.8338	V	51.8171
7.67	0.2667	T	7.5125
8.08	0.6236	T	17.5658

8 PEAKS > AREA/HT REJECT

18:39 88/04/26

lcc # 8040283 (10s).

5 ALCOHOLS HSP



UN 32 18:39 88/04/26

ETHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
0.90	0.0135	V	0.3893
1.16	0.0829	T	2.3873
1.82	0.2863	V	8.2410
2.48	0.0581		1.6737
3.10	0.9140	T	26.3052
5.14	0.0545		1.5709
7[illegible]	0.1216	T	3.5004
7[illegible]	0.1169	T	3.3643
8.03	0.3922	V	11.2890
8.69	1.2740	V	36.6636
10.25	0.1603		4.6148

11 PEAKS > AREA/HT REJECT

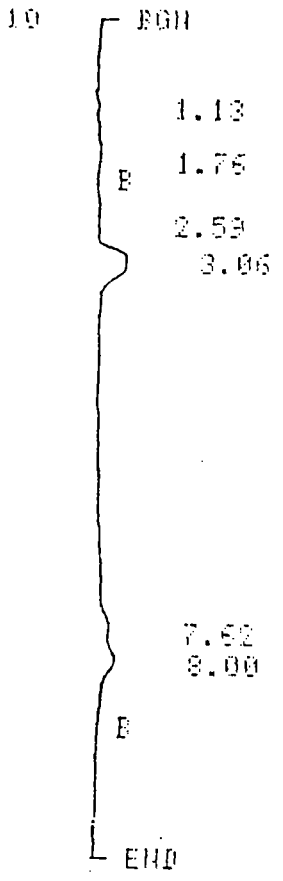
3.17	0.4395		59.1562
5.06	0.0608	V	8.1872

4 PEAKS > AREA/HT REJECT

8 19:47 88/04/26

lcc # 8040284 (10>)

U 5 ALCOHOLS HSP



RUN 38 19:47 88/04/26

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
1.13	0.0677	T	2.1465
1.76	0.2279		7.2236
2.59	0.0733	V	2.3255
3.06	1.4318	T	45.3647
7.62	0.5109	T	16.1876
8.00	0.8443		26.7517

6 PEAKS > AREA/HT REJECT

8.06
8.71

18:13 88/04/26

lu # 8040285 (10,3).

5 ALCOHOLS HSP

10 BGN
0.54
1.16
1.74
B
2.41
3.25
B
4.61
5.21
7.99
9.15
END

UN 30 18:13 88/04/26

ETHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
0.54	0.0447	V	2.3493
1.16	0.0428	T	2.2507
1.74	0.1940		10.1868
2.41	0.5866	T	30.8014
3.26	0.4352		22.8537
4.61	0.0360	T	1.8927
5.21	0.0642	V	3.3743
7.99	0.4460	V	23.4186
9[illegible]	0.0547	V	2.8721

9 PEAKS > AREA/HT REJECT

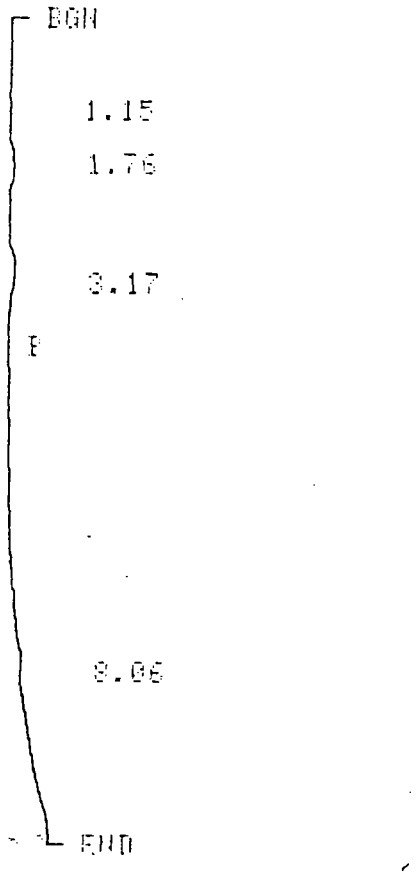
1.14	0.0605	T	1.7193
1.76	0.4540	T	12.9022
2.52	0.1073	T	3.0489
3.21	1.0566	T	30.0291
5.20	0.5425		15.4145
7.52	0.2750	T	7.8147
8.06	0.2961	T	8.4134
9.07	0.7270		20.6575

3 PEAKS > AREA/HT REJECT

19:36 88/04/26

lu # 8040286 (10,)

5 ALCOHOLS HSP



UN 37 19:36 88/04/26

ETHOD 5 ALCOHOLS HSP CALCULATION: %

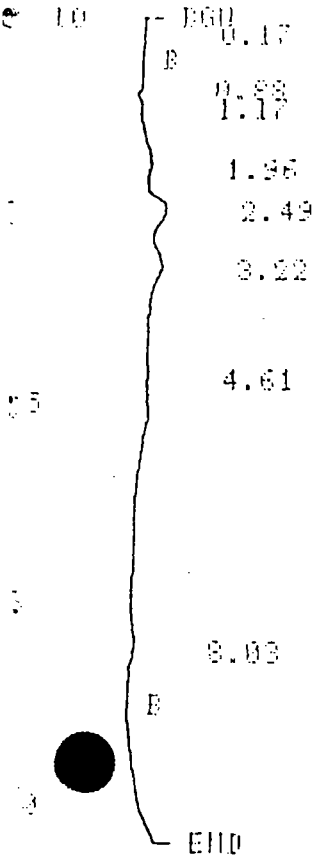
RT	AREA	BC	AREA %
1.15	0.0336	V	4.5234
1.76	0.2090	V	28.1330
3.17	0.4395		59.1562
8.06	0.0608	V	8.1872

4 PEAKS > AREA HT REJECT

17:38 88/04/26

ALCOHOLS HSP

7cc * 8040287 (10,)



RUN 27 17:38 88/04/26

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
0.17	0.0523		1.0124
0.88	0.0800	V	1.5482
1.17	0.0755	T	1.4601
1.96	0.9081	T	17.5582
2.49	1.8262	T	35.3102
3.22	1.7958	T	34.7429
4.61	0.1733	V	3.3519
8.03	0.2594		5.0157

<1.0

9 PEAKS > AREA/HT REJECT

17:50 88/04/26

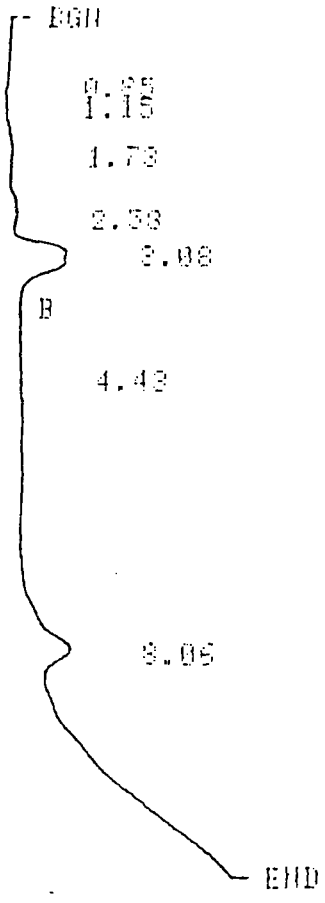
5 ALCOHOLS HSP

10 BGN

17:50 88/04/26

5 ALCOHOLS HSP

2cc * 6040288 (10₃).



RUN 28 17:50 88/04/26

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
0.85	0.0513	V	1.1925
1.15	0.0505	T	1.1743
1.73	0.2179	T	5.0588
2.58	0.2766	T	6.4221
3.08	2.5602		59.4288
4.43	0.0476	V	1.1060
8.06	1.1036	V	25.6171

<1.0

7 PEAKS > AREA/HT REJECT

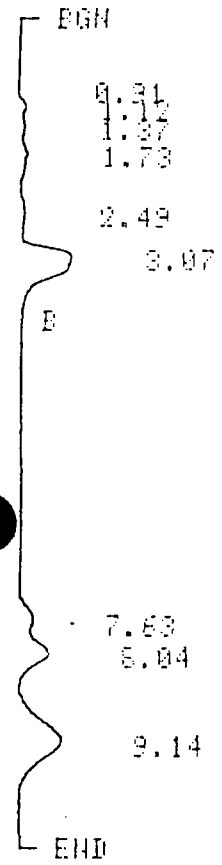
7.02	0.1216	T	3.3004
7.60	0.1169	T	3.3643
8.03	0.3922	V	11.2890
8.69	1.2740	V	36.6636
10.25	0.1603		4.6148

PEAKS 2 AREA/HT REJECT

3 18:51 88/04/26

Lcc # 8040289

5 ALCOHOLS HSP



RUN 33 18:51 88/04/26

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
0.91	0.0189	V	0.2367
1.12	0.1579	T	1.9704
1.37	0.1952	T	2.4364
1.73	0.3784	T	4.7219
2.49	0.2614	T	3.2624
3.07	2.5433		31.7346
7.63	0.4754	T	5.9324
8.04	1.2023	V	15.0025
9.14	2.7812	V	34.7023

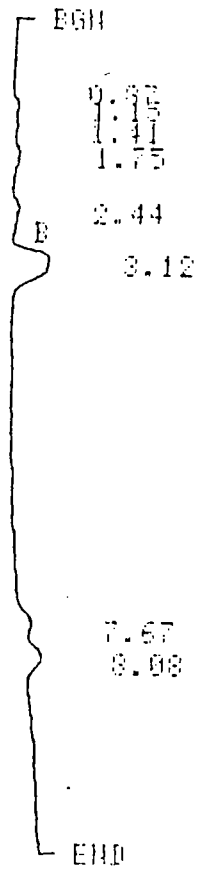
2 PEAKS 3 AREA/HT REJECT

2 PEAKS > AREA/HT REJECT

lcc #8040290 (ms)

1 18:27 88/04/26

5 ALCOHOLS HSP



RUN 31 18:27 88/04/26

METHOD 5 ALCOHOLS HSP CALCULATION: %

RT	AREA	BC	AREA %
0.87	0.0583	V	1.6444
1.15	0.1141	T	3.2161
1.41	0.1482	T	4.1754
1.75	0.2770	V	7.8020
2.44	0.2225		6.2665
3.12	1.8398	V	51.8171
7.67	0.2667	T	7.5125
8.08	0.6236	T	17.5658

8 PEAKS > AREA/HT REJECT

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

Q.C. DATA REPORT

Analyst: L. Saunders
Date of Analysis: 4/25/88
Method of Analysis: EPA 8040
Detection Limit: 1-15
Units: ppm

Sample Number	Analyte	Original Result	Duplicate Result	% Deviation
8040271	Phenol	< 1	< 1	0
	Pentachloro-phenol	< 10	< 10	0

Sample Number	Analyte	Sample Contribution	Spike Added	Spike Result	% Recovery
8040271	Phenol	< 1	50	46	92
8040281	Pentachloro-phenol	< 10	242	137	57

SEQUOIA ANALYTICAL LABORATORY

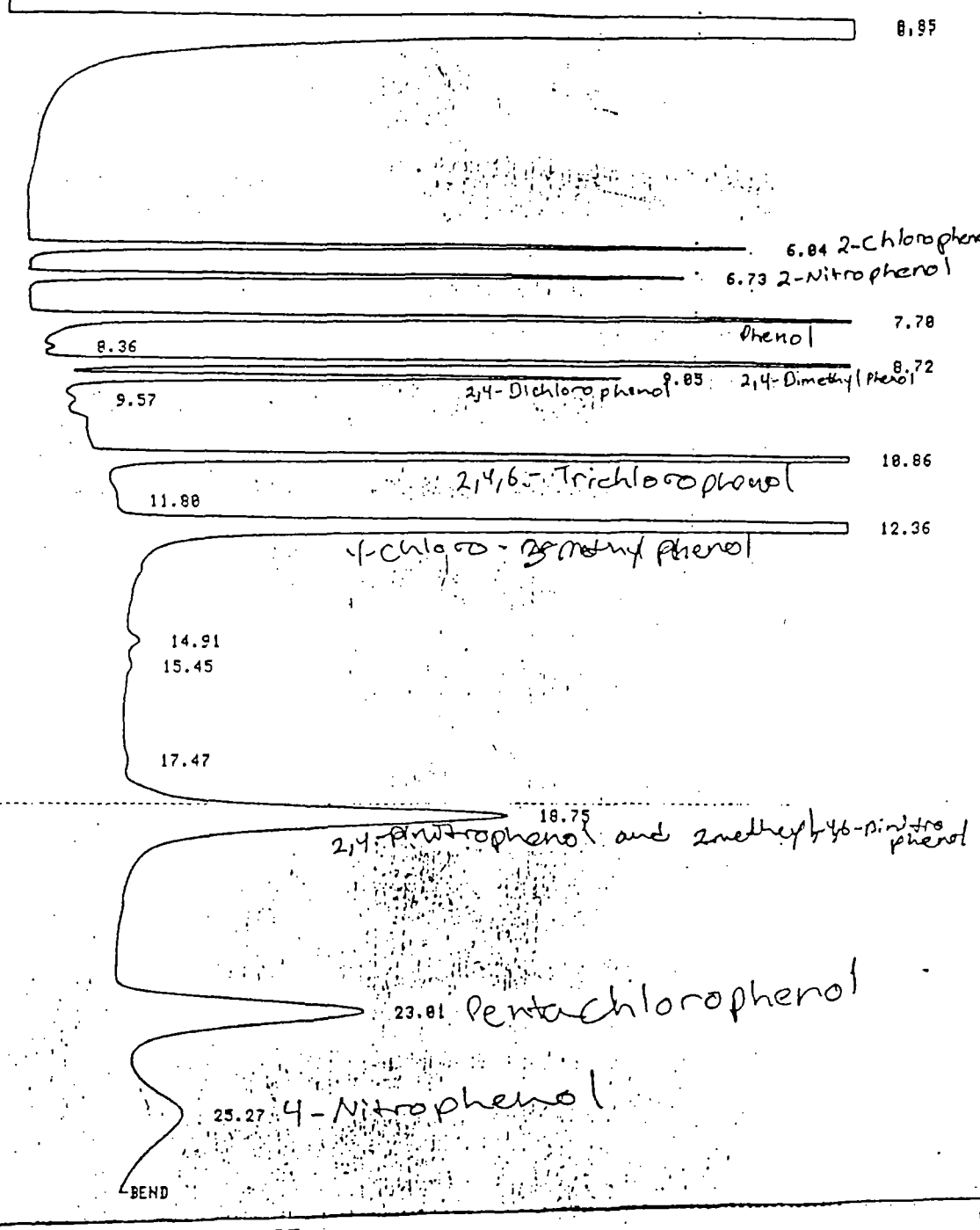
Arthur G. Burton
Laboratory Director

RUN64 C 210 17:08 88/04/25

METHOD 3 PHENOLS 8040

Phenol Mix 1:10 4λ

A 64 C 10 BON



RUN 2 17:08 88/04/25

METHOD 3 PHENOLS 8040 CALCULATION: %

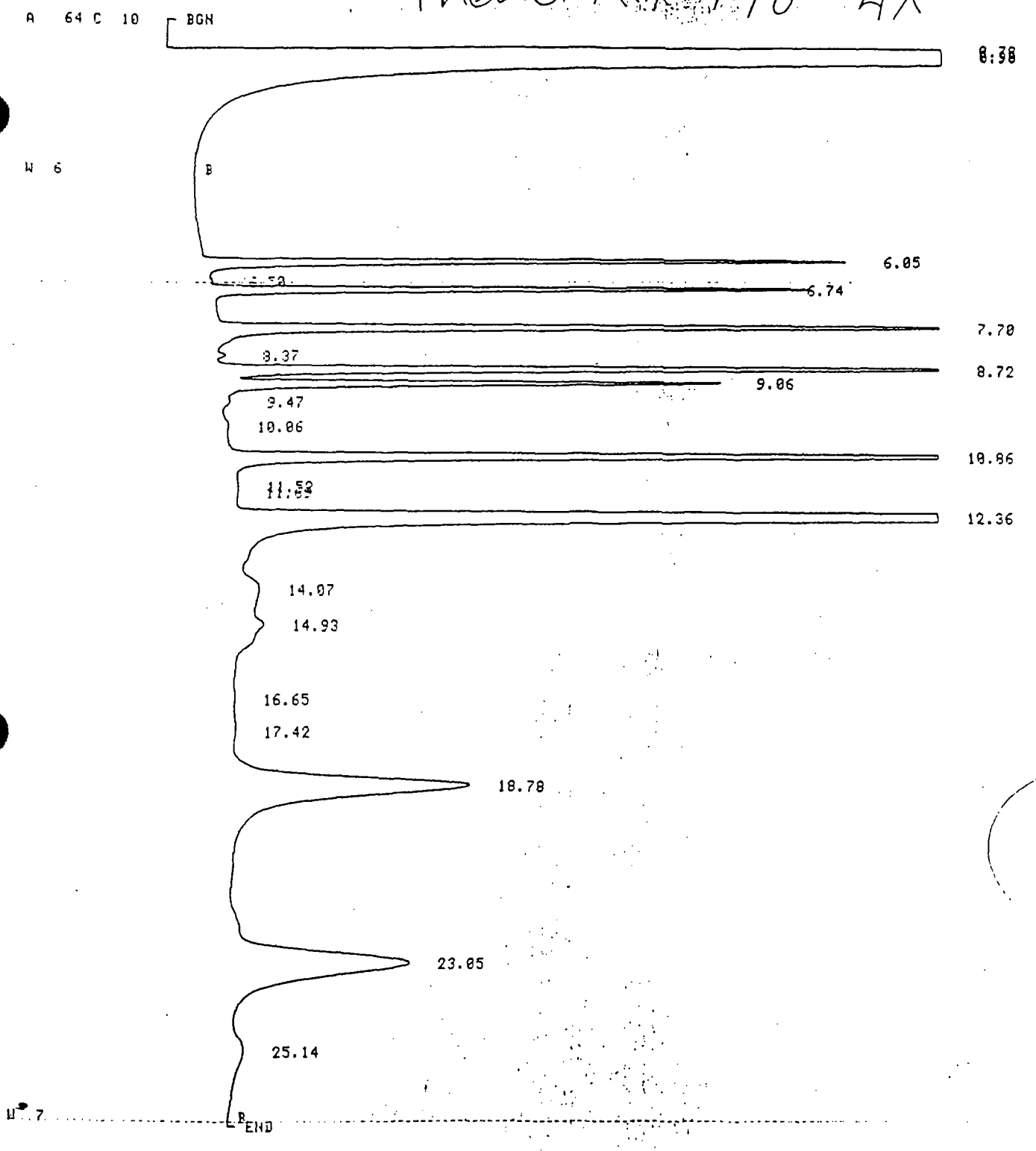
RT	AREA	BC	AREA %
8.85	1.5712	U	0.1197
8.97	1.5128	U	0.1153
6.84	72.6077	U	5.5343
6.73	65.5503	U	4.9969
7.78	104.9713	U	8.0020
8.36	8.8147	U	0.6621
8.72	96.6839	U	7.3703
9.05	56.6567	U	4.3190
9.57	1.2021	U	0.0916
10.86	145.6429	U	11.1025
11.88	8.7372	U	0.6562
12.36	381.0025	U	29.0442
14.91	2.5024	U	0.1907
15.45	8.8514	U	0.6649
17.47	6.6502	U	0.0495

RUN 19 7:45 88/04/26

METHOD 3 PHENOLS 8040

Phenol Mix 1:10 4X

A 64 C 10



RUN 19 7:45 88/04/26

METHOD 3 PHENOLS 8040 CALCULATION: %

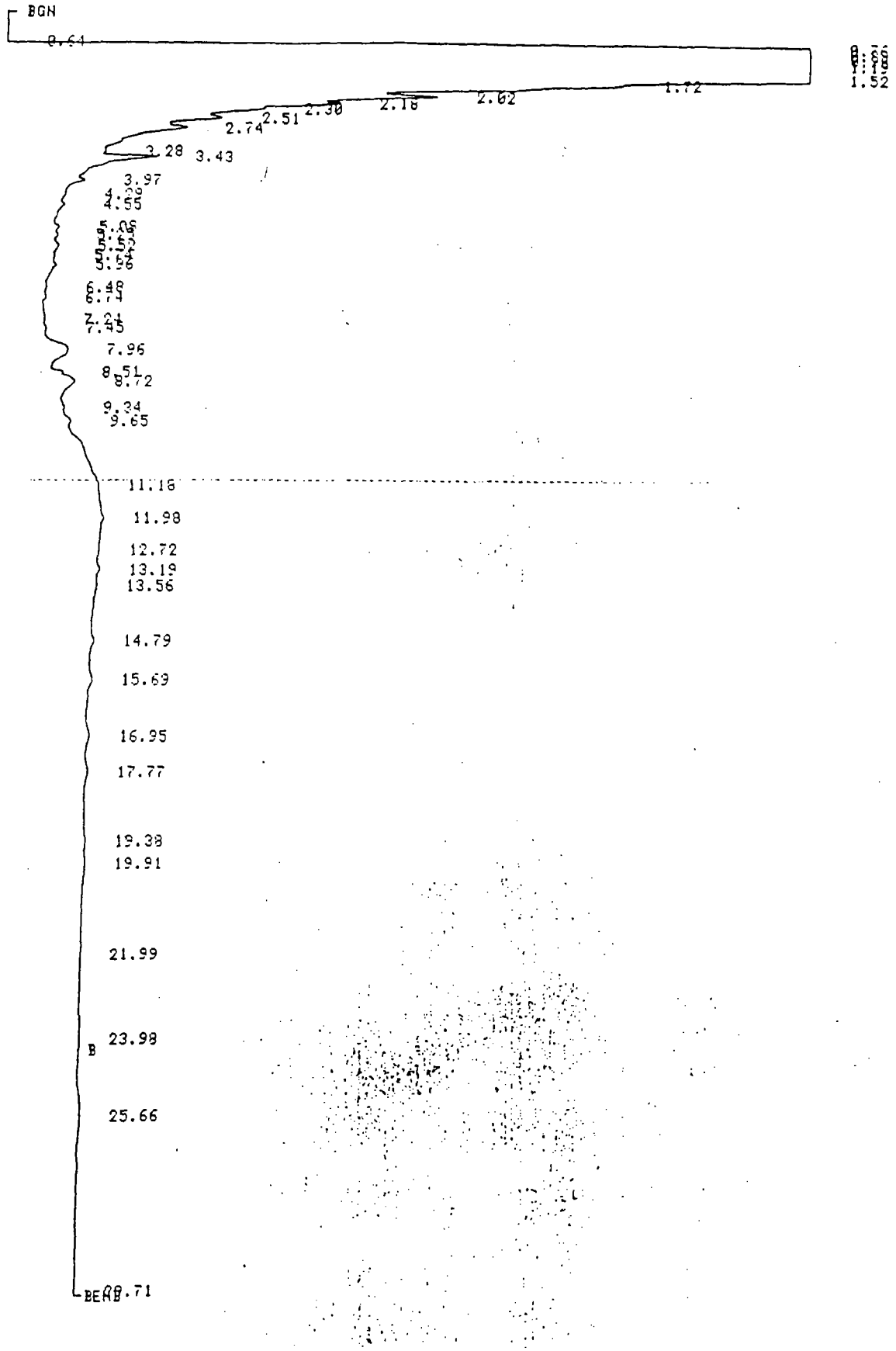
RT	AREA	BC	AREA %
0.90	3.1984	V	0.2755
6.05	63.4673	V	5.4687
6.74	64.3040	V	5.5408
7.70	101.4446	V	8.7411
8.37	0.7841	V	0.0675
8.72	94.9849	V	8.1845
9.06	55.2836	V	4.7636
10.06	0.6691	V	0.0576
10.86	141.5919	V	12.2004
12.36	368.3512	V	31.7295
14.07	5.3412	V	0.4602
14.93	2.2905	V	0.1973
17.42	0.8780	V	0.0756
18.78	129.1085	V	11.2110

RUN 7 22:17 88/04/13

METHOD 3 MODIFIED

8040270 5g/5ml 4A

A 64 C 10



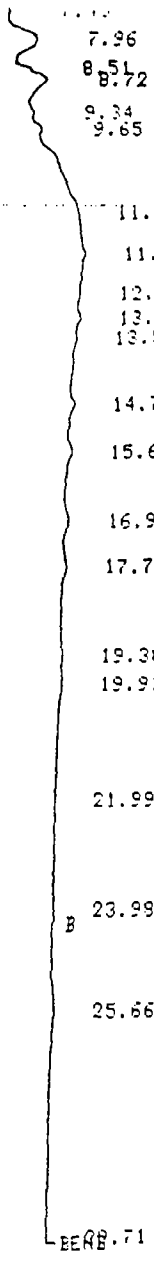
W 6

RUN 7 22:17 88/04/13

METHOD 3 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
0.89	3.2376	V	0.5214
0.98	562.6848	V	90.6226
1.52	6.0635	V	0.9765
1.72	3.5601	V	0.5733

8040270 pg. 2



RUN 7 22:17 88/04/13

METHOD 3 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
0.89	3.2376	V	0.5214
0.98	562.6848	V	90.6226
1.52	6.0635	V	0.9765
1.72	3.5601	V	0.5733
2.02	5.3592	V	0.8631
2.18	2.0154	V	0.3246
2.51	2.1476	V	0.3458
2.74	2.0021	V	0.3224
3.43	7.0627	V	1.1374
3.97	0.6081	V	0.0979
4.55	0.6064	V	0.0976
5.52	0.6565	V	0.1057
5.96	0.8114	V	0.1306
7.96	6.9227	V	1.1149
8.72	3.4053	V	0.5484
9.65	0.5341	V	0.0860
11.18	3.4380	V	0.5537
11.98	2.0826	V	0.3354
13.19	0.5245	V	0.0844
14.79	1.0359	V	0.1668
15.69	1.1490	V	0.1849
16.95	1.0326	V	0.1663
17.77	1.0912	V	0.1757
25.66	2.8786	V	0.4636

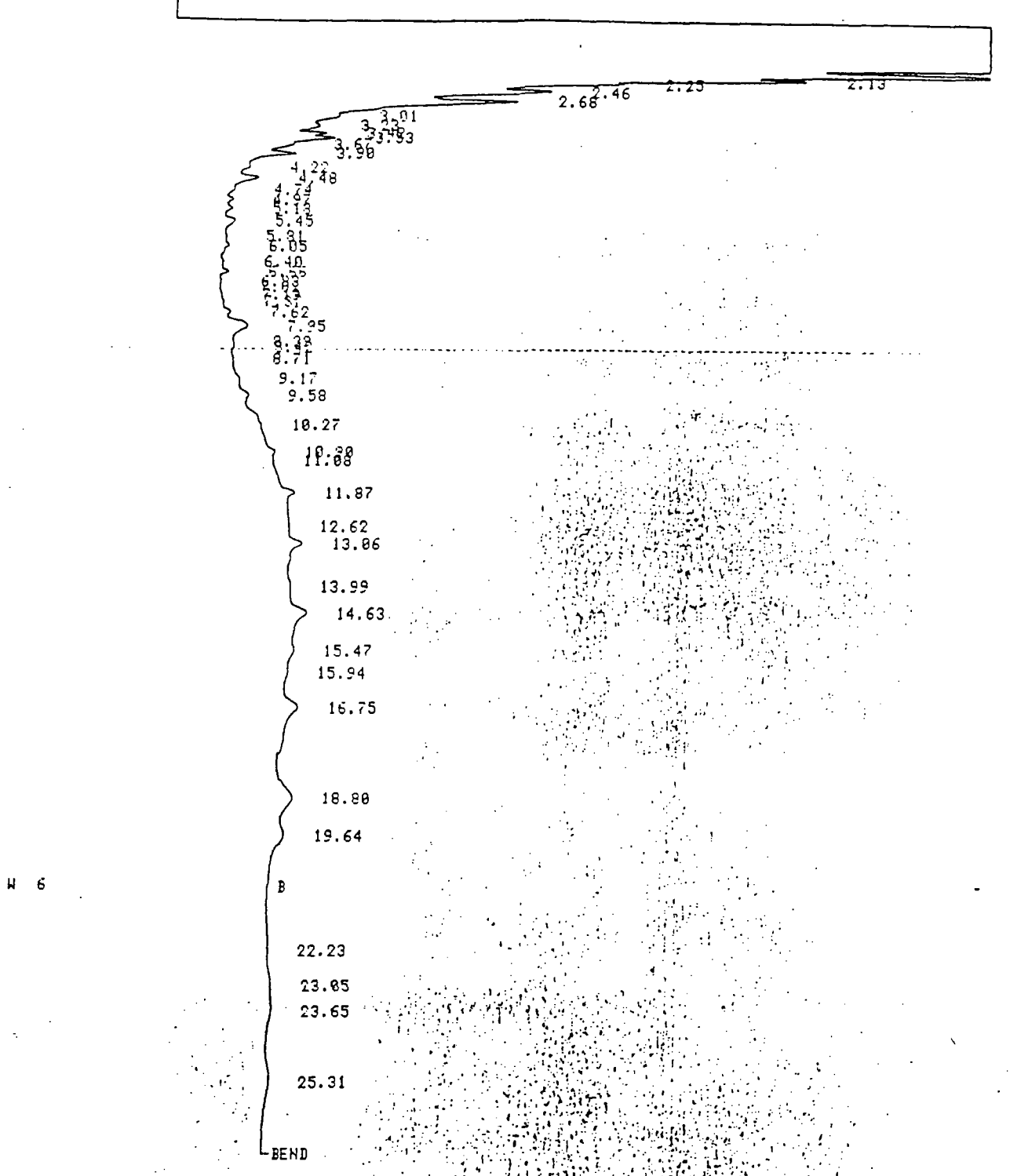
24 PEAKS > AREA/HT REJECT

RUN 3 17:43 88/04/25

METHOD 3 PHENOLS 8040

A 64 C 10

wahler 8040271 5g/5ml 2>

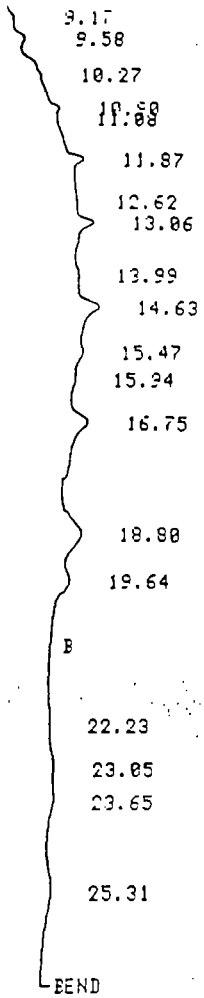


RUN 3 17:43 88/04/25

METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.82	0.5466	V	0.2098
0.92	0.8312	V	0.3191
1.18	75.1892	V	28.8696
1.26	41.3495	V	15.8765
1.50	45.1643	V	17.3412
1.70	3.1974	V	1.2276
1.80	1.0270	V	0.3943
1.98	20.3357	V	7.8081
2.13	5.4164	V	2.0796
2.25	1.1449	V	0.4396
2.46	6.2561	V	2.4021
2.68	11.9711	V	4.5964
2.91	0.5894	V	[illegible]

8040271 pg. 2



RUN 3 17:43 88/04/25

METHOD 3 PHENOLS 8040 CALCULATION: %

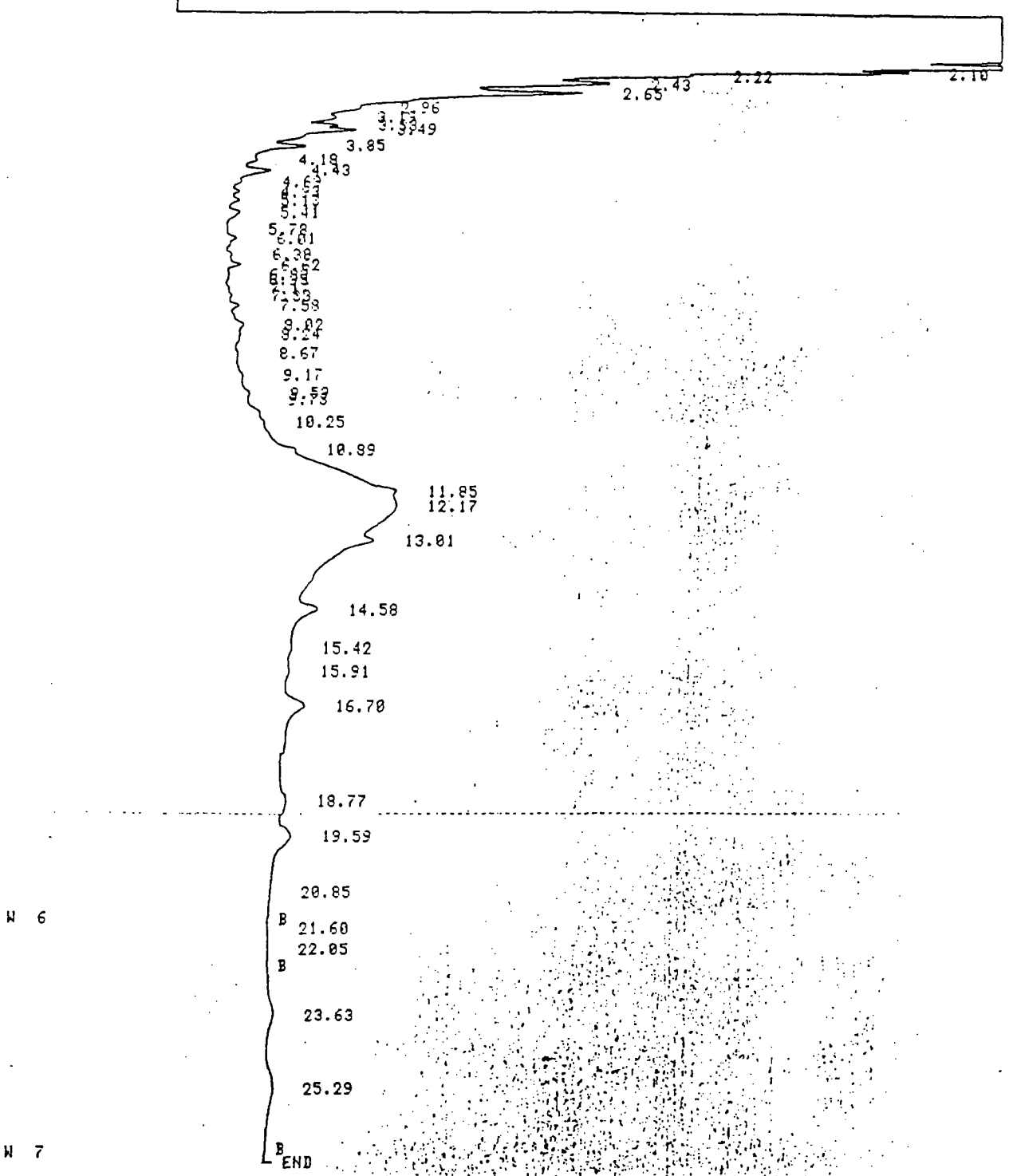
RT	AREA	BC	AREA %
0.82	0.5466	V	0.2098
0.92	0.8312	V	0.3191
1.18	75.1892	V	28.8696
1.26	41.3495	V	15.8765
1.50	45.1643	V	17.3412
1.70	3.1974	V	1.2276
1.80	1.0270	V	0.3943
1.98	20.3357	V	7.8081
2.13	5.4164	V	2.0796
2.25	1.1449	V	0.4396
2.46	6.2561	V	2.4021
2.68	11.9711	V	4.5964
3.01	0.5894	V	0.2263
3.23	1.1880	V	0.4561
3.42	1.0132	V	0.3890
3.53	1.7315	V	0.6648
3.90	2.0889	V	0.8020
4.48	2.2952	V	0.8812
5.18	0.5605	V	0.2152
5.45	1.5617	V	0.5996
6.05	0.8667	V	0.3327
6.66	0.7372	V	0.2830
7.95	3.9051	V	1.4994
9.58	0.9208	V	0.3535
10.27	0.7353	V	0.2823
11.87	1.1839	V	0.4545
13.06	2.9215	V	1.1217
14.63	4.6290	V	1.7773
15.47	0.7049	V	0.2706
16.75	7.9754	V	3.0622
18.80	6.7792	V	2.6029
19.64	1.0275		0.3945
23.05	0.5341	V	0.2050
23.65	0.6859	V	0.2633
25.31	3.3788		1.2973

35 PEAKS > AREA/HT REJECT

METHOD 3 PHENOLS 8040

A: 64 C 10 BGN

8040271 D 5g/5ml

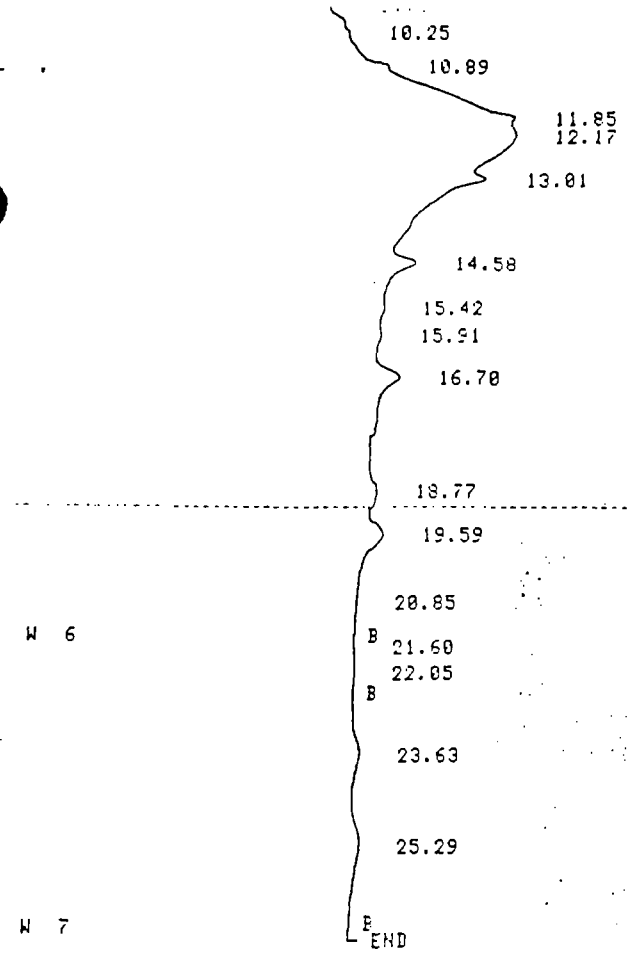


RUN 4 18:12 88/04/25

METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.82	0.5194	V	0.0487
0.88	1.3260	V	0.1243
0.98	785.3104	V	73.6557
1.17	78.0846	V	7.3237
1.25	16.6592	V	1.5624
1.35	2.8306	V	0.2654
1.48	53.4248	V	5.0108
1.67	19.1386	V	1.7950
1.96	23.6231	V	2.2156
2.10	5.5384	V	0.5194
2.22	0.7839	V	0.0735
2.43	6.3976	V	0.6000
2.65	13.8449	V	1.2985
2.96	0.5455	V	0.0511

8040271 D pg. 2



RUN 4 18:12 88/04/25

METHOD 3 PHENOLS 8040 CALCULATION: %

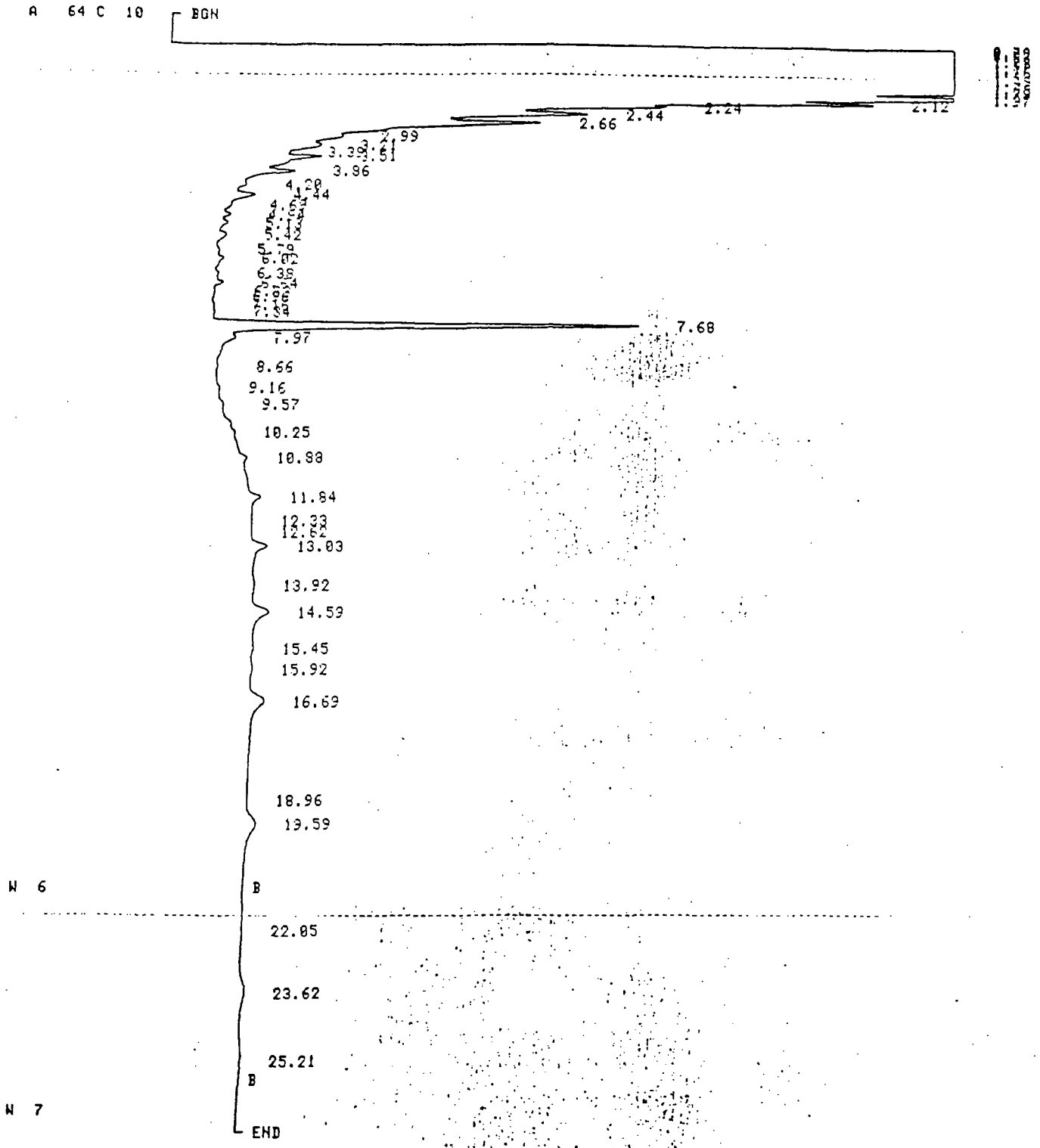
RT	AREA	BC	AREA %
0.82	0.5194	V	0.0487
0.88	1.3260	V	0.1243
0.98	785.3104	V	73.6557
1.17	78.0846	V	7.3237
1.25	16.6592	V	1.5624
1.35	2.8306	V	0.2654
1.48	53.4248	V	5.0108
1.67	19.1386	V	1.7950
1.96	23.6231	V	2.2156
2.10	5.5384	V	0.5194
2.22	0.7839	V	0.0735
2.43	6.3976	V	0.6000
2.65	13.8449	V	1.2985
2.96	0.5455	V	0.0511
3.19	1.3633	V	0.1278
3.38	0.9471	V	0.0888
3.49	3.0035	V	0.2817
3.85	2.6564	V	0.2491
4.43	3.1126	V	0.2919
4.93	0.5700	V	0.0534
5.13	0.8196	V	0.0768
5.41	1.7407	V	0.1632
6.01	1.5082	V	0.1414
6.62	1.1204	V	0.1050
7.58	0.8693	V	0.0815
8.02	1.0524	V	0.0987
10.25	0.7704	V	0.0722
11.85	1.6950	V	0.1589
12.17	6.0985	V	0.5719
14.58	4.8328	V	0.4532
16.70	9.2419	V	0.8668
18.77	2.6597	V	0.2494
19.59	5.2486	V	0.4922
23.63	3.4247	V	0.3212
25.29	5.4267		0.5089

35 PEAKS > AREA/HT REJECT

RUN 9 20:56 88/04/25 8040271 spike 5gl Smd 2x

METHOD 3 PHENOLS 8040

A 64 C 10

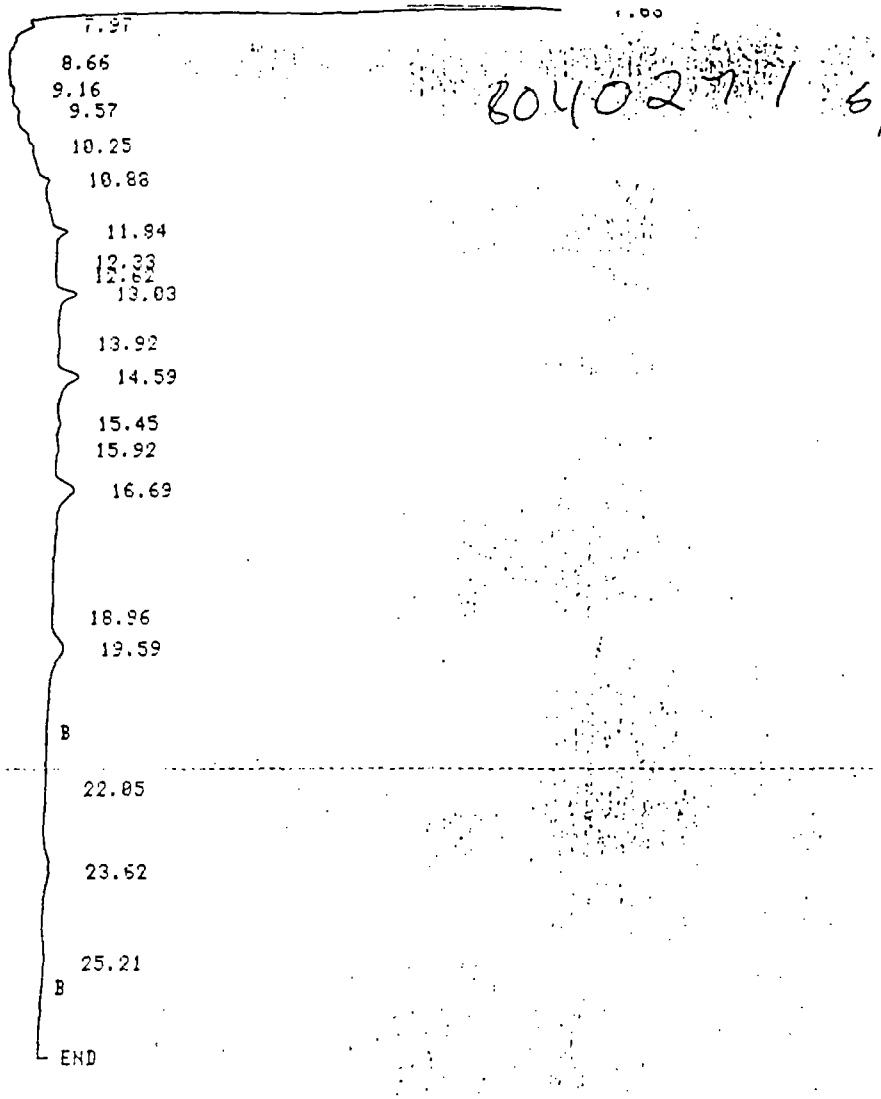


RUN 9 20:56 88/04/25

METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.82	111.0023	V	10.2808
0.88	1.3596	V	0.1259
1.02	629.9360	V	58.3438
1.17	88.8944	V	8.2332
1.26	48.6039	V	4.5016
1.49	51.4037	V	4.7609
1.68	3.7372	V	0.3461
1.79	2.4439	V	0.2263
1.97	22.7284	V	2.1050
2.12	7.2801	V	0.6742
2.24	1.7591	V	0.1629

80402-71 spike pg. 2



RUN 9 20:56 88/04/25

METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.82	111.0023	V	10.2808
0.88	1.3596	V	0.1259
1.02	629.9360	V	58.3438
1.17	88.8944	V	8.2332
1.26	48.6039	V	4.5016
1.49	51.4037	V	4.7609
1.68	3.7372	V	0.3461
1.79	2.4439	V	0.2263
1.97	22.7284	V	2.1050
2.12	7.2801	V	0.6742
2.24	1.7591	V	0.1629
2.44	8.0498	V	0.7455
2.66	13.8453	V	1.2823
2.99	0.7583	V	0.0702
3.21	1.9398	V	0.1796
3.51	4.5847	V	0.4246
3.86	2.7584	V	0.2554
4.44	2.3975	V	0.2220
4.94	0.5820	V	0.0539
5.13	0.6631	V	0.0614
5.42	1.2198	V	0.1129
6.02	0.9258	V	0.0857
6.64	0.8440	V	0.0781
7.68	48.0260	V	4.4481
11.84	1.7974	V	0.1664
13.03	3.4448	V	0.3190
14.59	4.4272	V	0.4100
16.69	6.2655	V	0.5803
19.59	4.2939		0.3967
23.62	2.7689	V	0.2564
25.21	0.9639		0.0892

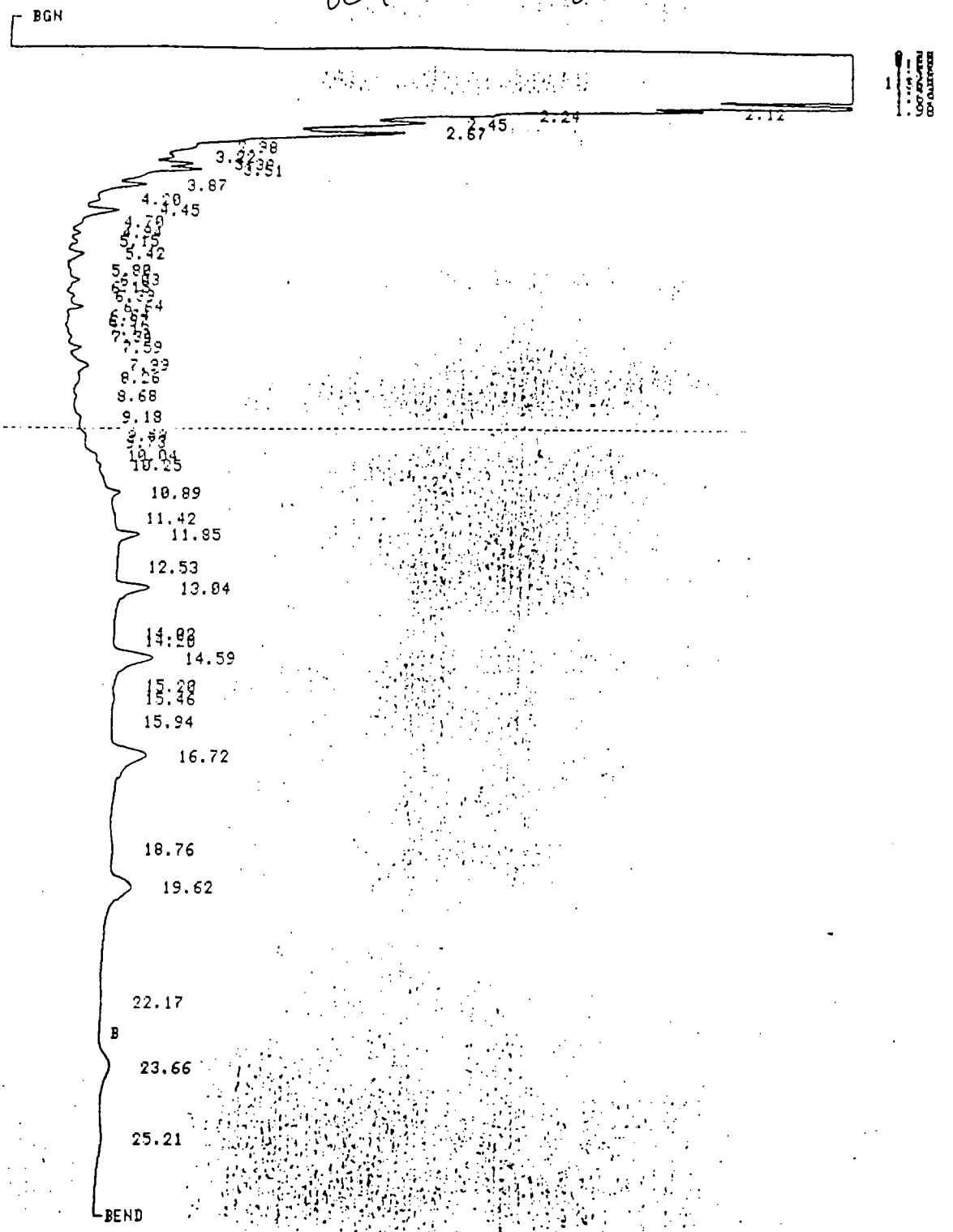
31 PEAKS > AREA/HT REJECT

RUN 5 18:43 88/04/25

METHOD 3 PHENOLS 8040

Wahler 8040272 5g/5ml 2X

A 64 C 10

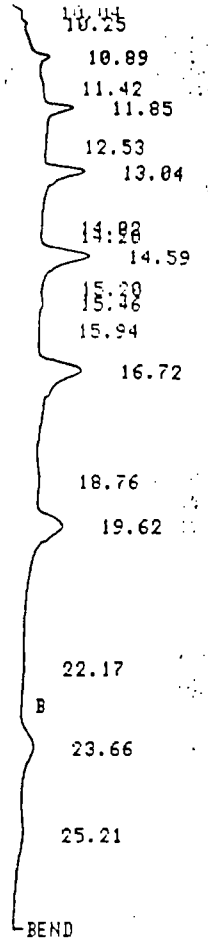


W 6

RUN 5 18:43 88/04/25

METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.83	0.9784	V	0.0732
0.89	0.5650	V	0.0423
1.02	1051.2224	V	78.7331
1.18	68.9253	V	5.1622
1.26	15.4032	V	1.1536
1.36	4.3469	V	0.3255
1.49	52.9659	V	3.9669
1.69	17.0983	V	1.2806
1.98	22.1624	V	1.6598
2.12	5.1732	V	0.3874
2.24	0.5434	V	0.0407
2.45	5.8056	V	0.4493



8040272 pg. 2

W 6

RUN 5 13:43 88/04/25

METHOD 3 PHENOLS 8040 CALCULATION: %

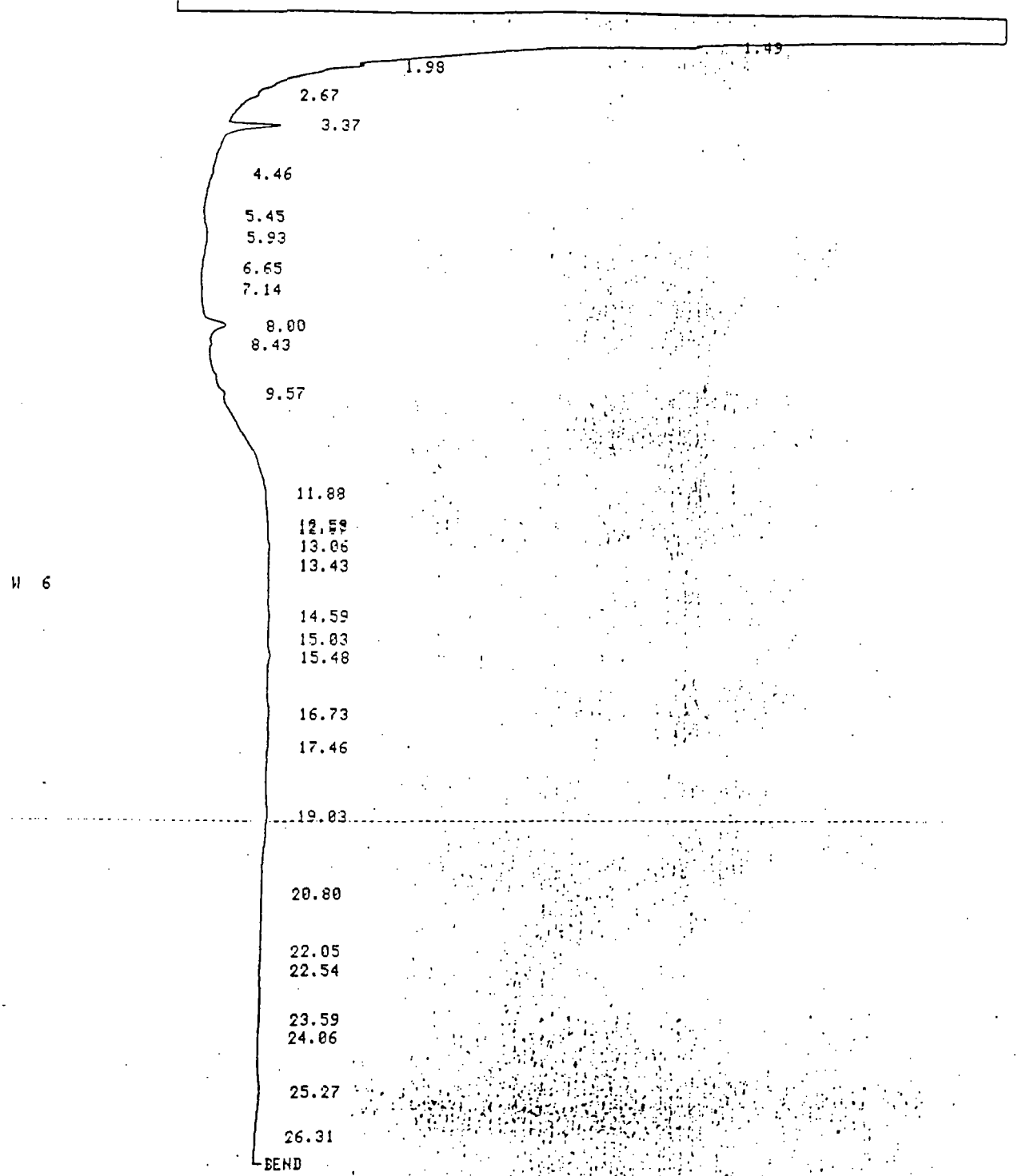
RT	AREA	BC	AREA %
0.83	0.9784	V	0.0732
0.89	0.5650	V	0.0423
1.02	1051.2224	V	78.7331
1.18	68.9253	V	5.1622
1.26	15.4032	V	1.1536
1.36	4.3468	V	0.3255
1.49	52.9658	V	3.9669
1.69	17.0983	V	1.2806
1.98	22.1624	V	1.6598
2.12	5.1732	V	0.3874
2.24	0.5434	V	0.0407
2.45	5.9056	V	0.4423
2.67	13.3986	V	1.0035
3.22	0.8699	V	0.0651
3.38	1.9417	V	0.1454
3.51	3.0612	V	0.2292
3.87	2.3812	V	0.1783
4.20	0.5134	V	0.0384
4.45	3.5603	V	0.2666
4.94	0.6110	V	0.0457
5.15	0.6648	V	0.0497
5.42	1.9500	V	0.1460
6.03	0.7983	V	0.0597
6.64	1.2900	V	0.0966
7.59	1.0590	V	0.0792
7.99	2.3956	V	0.1794
10.04	0.5555	V	0.0416
10.89	1.8188	V	0.1362
11.85	3.8506	V	0.2884
13.04	7.0457	V	0.5277
14.59	10.2778	V	0.7697
16.72	14.6582	V	1.0978
18.76	0.7732	V	0.0579
19.62	8.2751	V	0.6197
22.17	0.5157		0.0386
23.66	5.6607	V	0.4239
25.21	1.9552		0.1464

37 PEAKS > AREA/HT REJECT

RUN 6 19:15 88/04/25 wehler

METHOD 3 PHENOLS 8040 8810273 5g/15ml 2λ

A 64 C 10 BGN



RUN 6 19:15 88/04/25

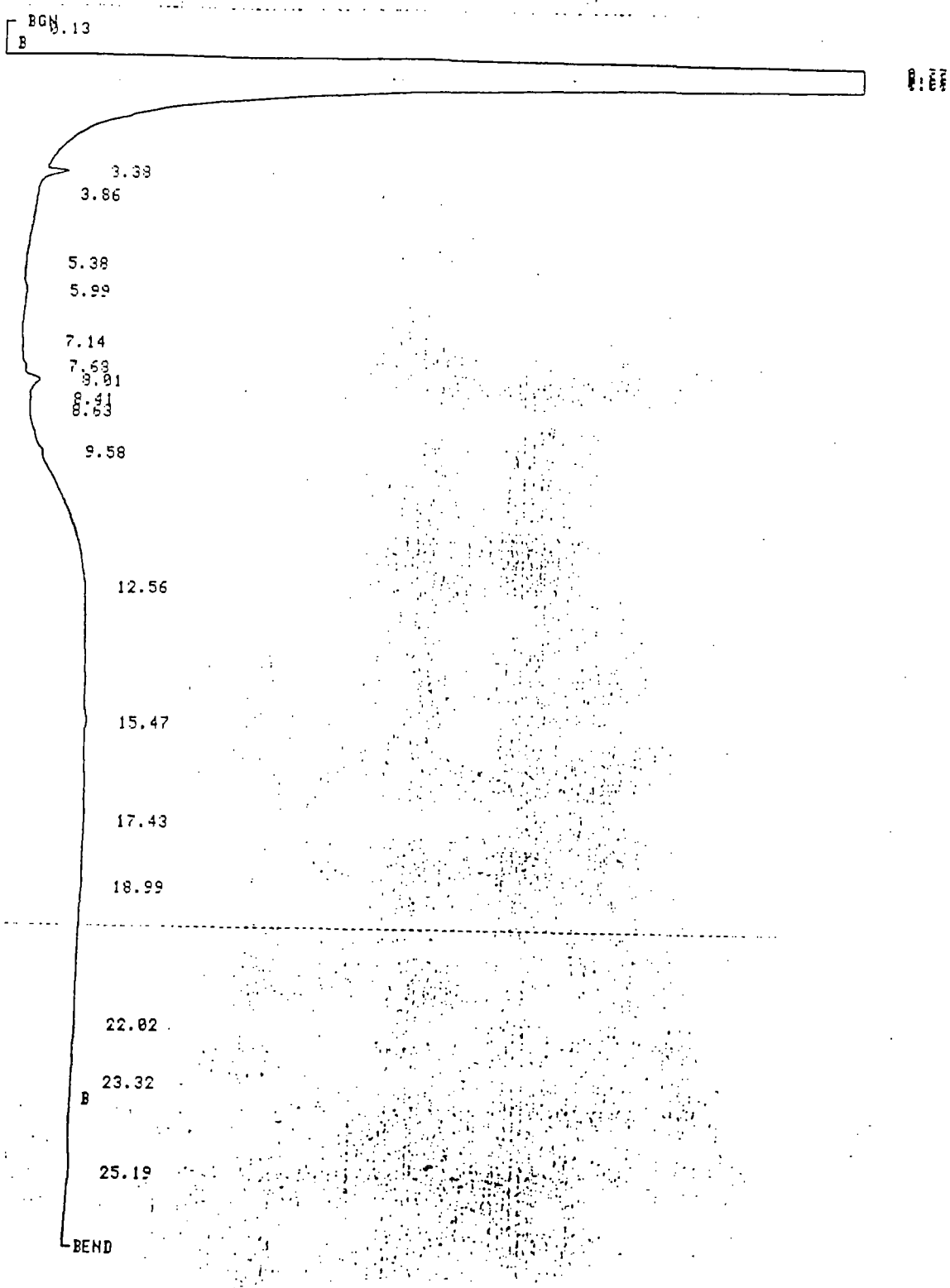
METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.81	0.5436	V	2.0128
0.84	1.6615	V	6.1524
3.37	5.6690	V	20.9910
5.93	1.6216	V	6.0045
8.00	3.2695	V	12.1026
11.88	8.5109	V	31.5129
15.48	0.5783	V	2.1413
16.73	0.5675	V	2.1015
19.03	2.4430	V	9.0459
25.27	2.1426	V	7.9338

RUN 7 19:44 88/04/25 wanles 8040274 5g/5ml 2)

METHOD 3 PHENOLS 8040

A 64 C 10



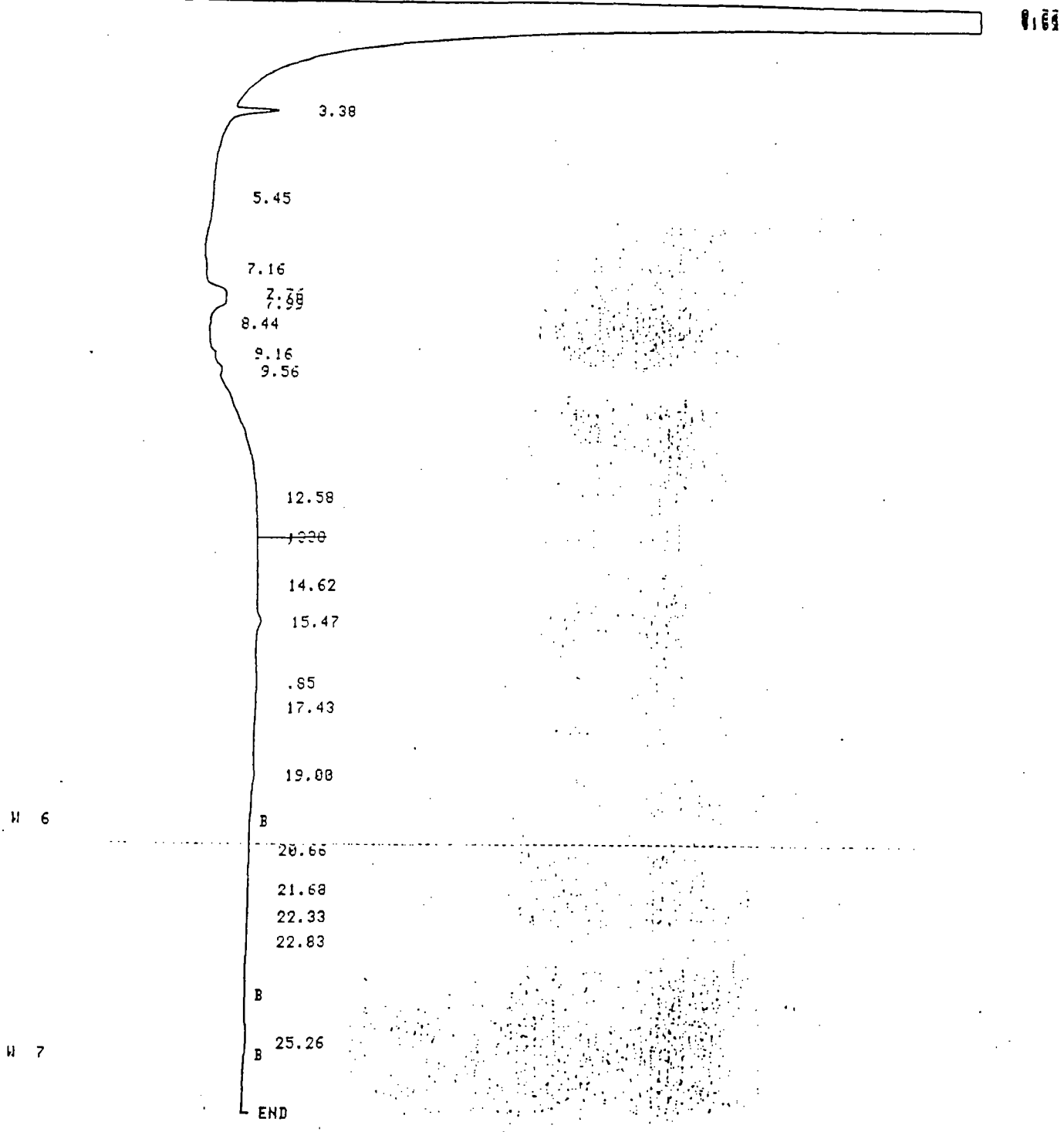
RUN 7 19:44 88/04/25

METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.83	1.3472	V	4.6771
0.96	2.1172	V	7.3503
3.38	2.2397	V	7.7756
5.99	1.3983	V	4.8545
8.01	2.2677	V	7.8729
12.56	15.0438	V	52.2281
15.47	0.5064	V	1.7581
17.43	1.5028	V	5.2175
22.02	0.8698	V	3.0197
25.19	1.5109		5.2457

METHOD 3 PHENOLS 8040 Waters 8040275 5g/5ml 27

A 64 C 10 BGN



RUN 8 20:25 88/04/25

METHOD 3 PHENOLS 8040 CALCULATION: %

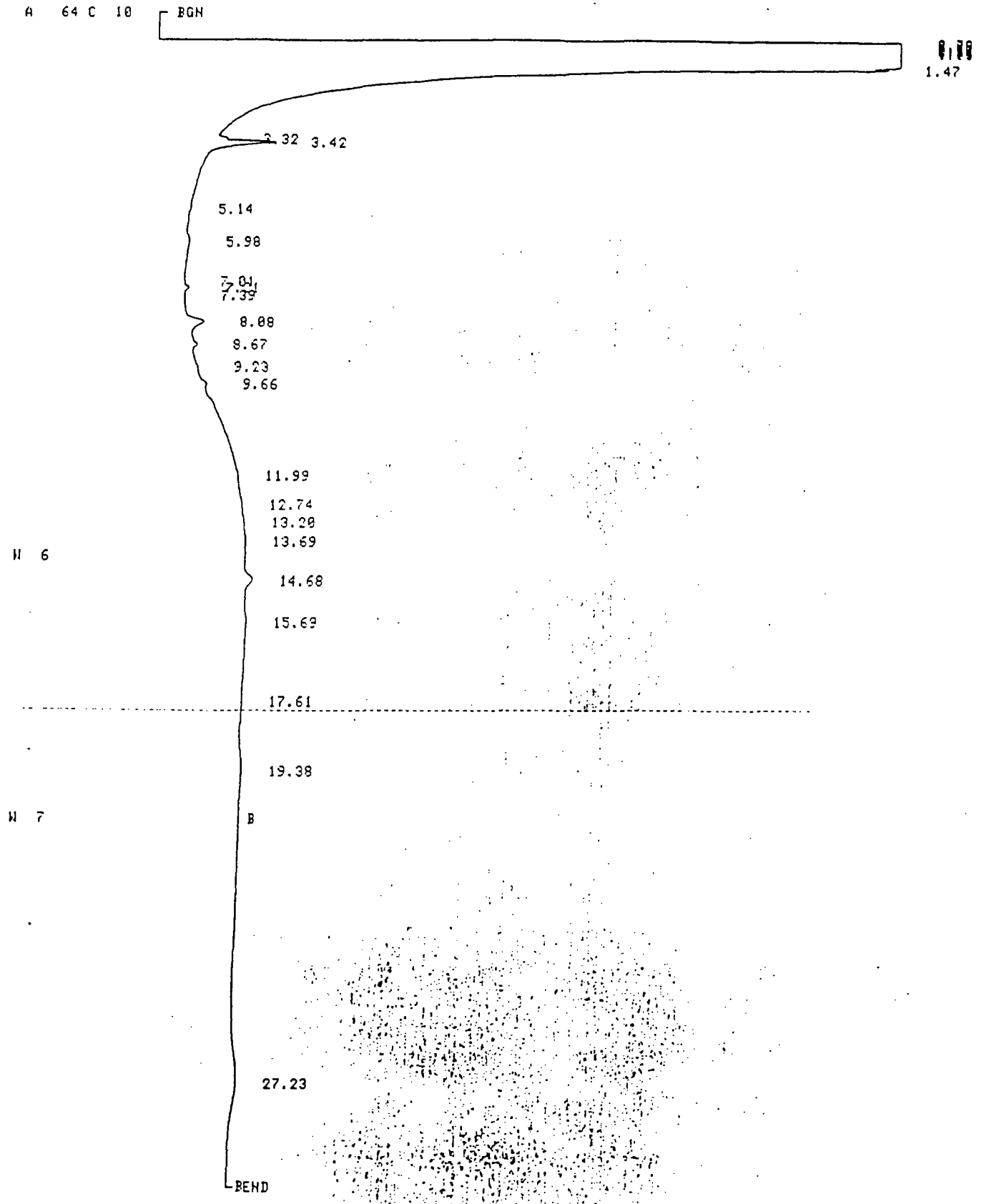
RT	AREA	BC	AREA %
0.94	1.3644	V	6.0301
0.88	1.1868	V	5.2452
0.95	0.7026	V	3.1052
5.45	0.7366	V	3.2556
9.56	0.5550	V	2.4531
12.58	14.8130	V	65.4684
15.47	1.4670	V	6.4837
19.00	1.0894		4.8149
25.26	0.7112		3.1434

9 PEAKS > AREA/HT REJECT

RUN 4 20:32 88/04/13 Wanie 8040276 Sg/5ml 4/

METHOD 3 MODIFIED

A 64 C 10



RUN 4 20:32 88/04/13

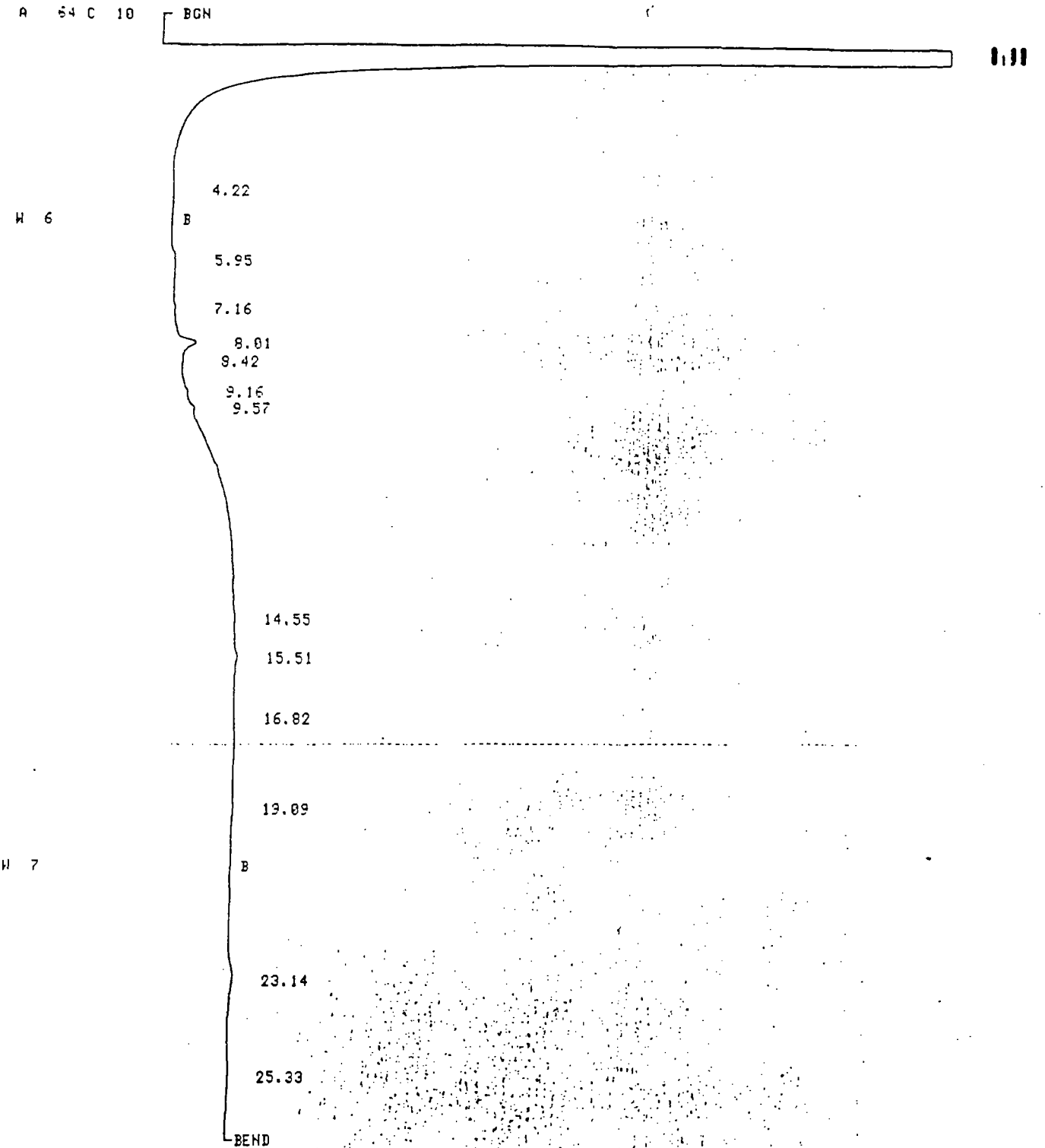
METHOD 3 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
0.89	1.5856	V	5.0898
0.96	0.5196	V	1.6679
5.98	1.5785	V	5.0670
7.21	0.5165	V	1.6582
8.03	2.7768	V	8.9138

RUN 13 23:00 88/04/25

METHOD 3 PHENOLS 8040 Wahler 8040277 20g/20ml/2L

A 64 C 10



RUN 13 23:00 88/04/25

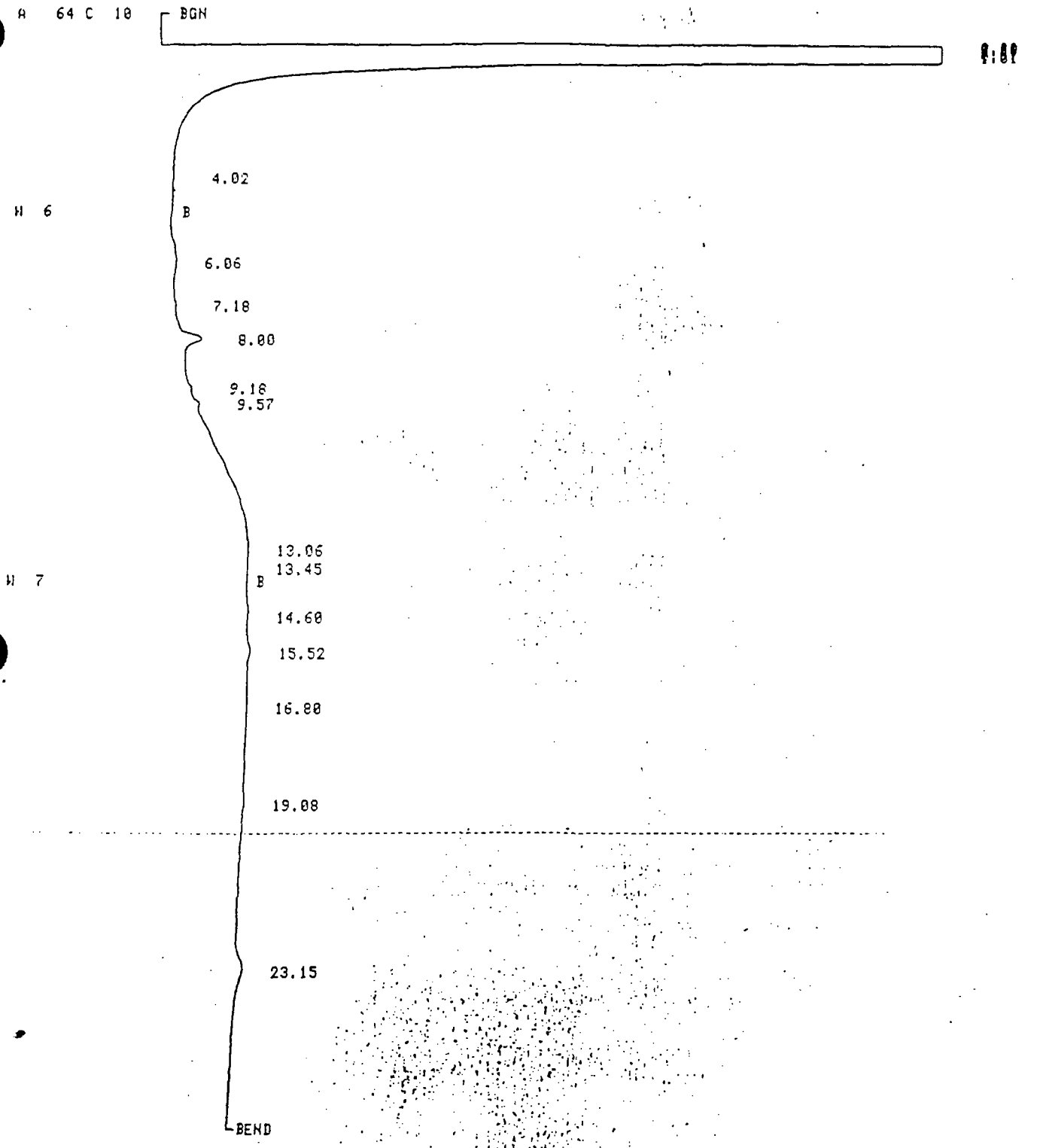
METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.83	639.7605	V	91.9254
0.91	0.5552	V	0.0797
4.22	0.5971		0.0858
5.95	1.5487	V	0.2225
9.01	2.9343	V	0.4216
14.55	44.7641	V	6.4320
15.51	0.8999	V	0.1293
16.82	0.8642	V	0.1241
23.14	3.0406	V	0.4368
25.33	0.9911		0.1424

RUN 15 0:03 88/04/26 wahler 8040278 20g/20ml 2λ

METHOD 3 PHENOLS 8040

A 64 C 10



RUN 15 0:03 88/04/26

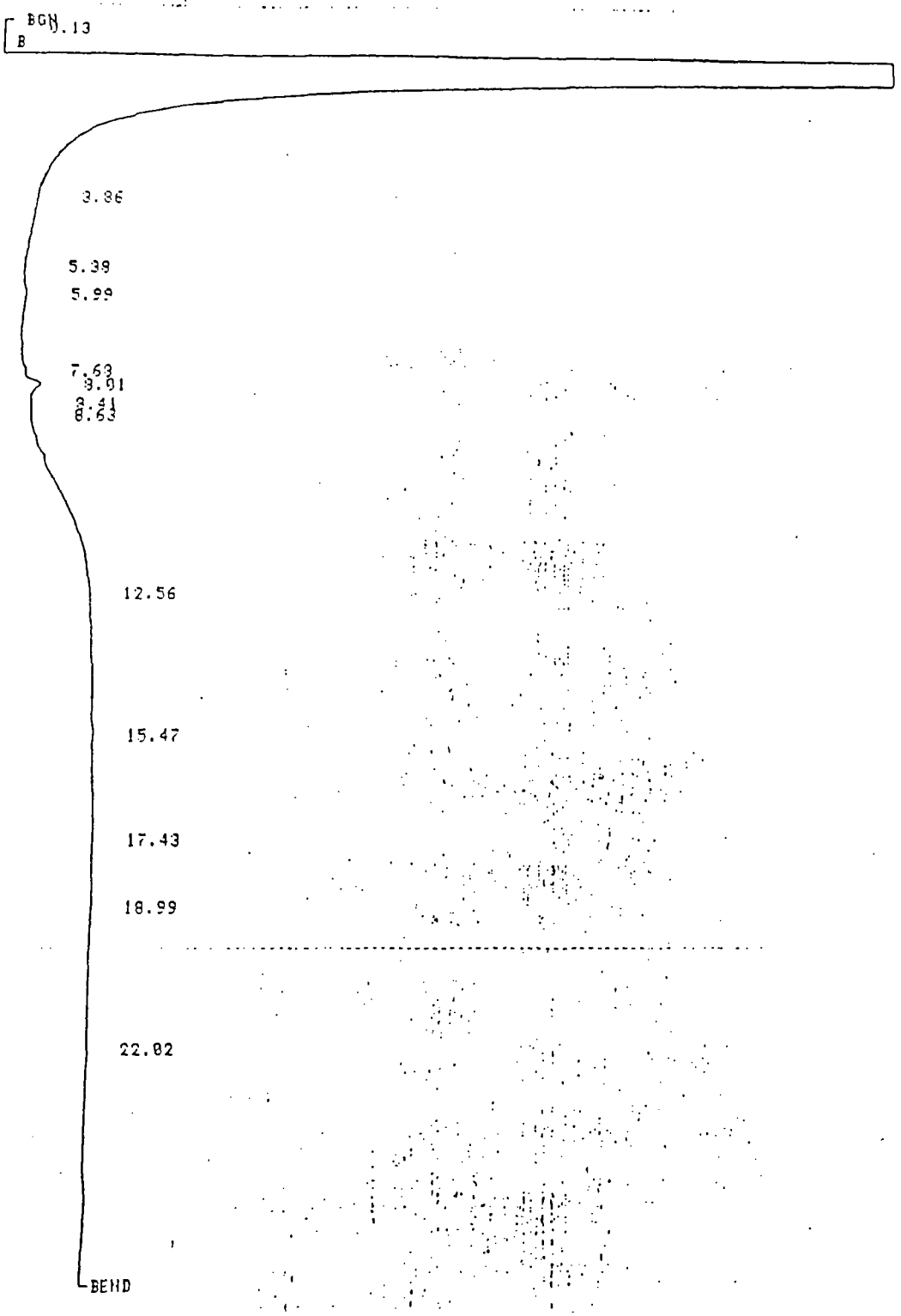
METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.83	212.9118	V	84.2924
0.97	1.7040	V	0.6746
6.06	2.3244	V	0.9202
8.00	5.5998	V	2.2169
13.06	20.1653	V	7.9835
15.52	1.0103	V	0.4000
16.80	1.2672	V	0.5017
23.15	7.6041		3.0105

RUN 7 19:44 88/04/25 Wahler 8040279 5g/5ml 2/

METHOD 3 PHENOLS 8040

A 64 C 10



W 7

RUN 7 19:44 88/04/25

METHOD 3 PHENOLS 8040, CALCULATION: %

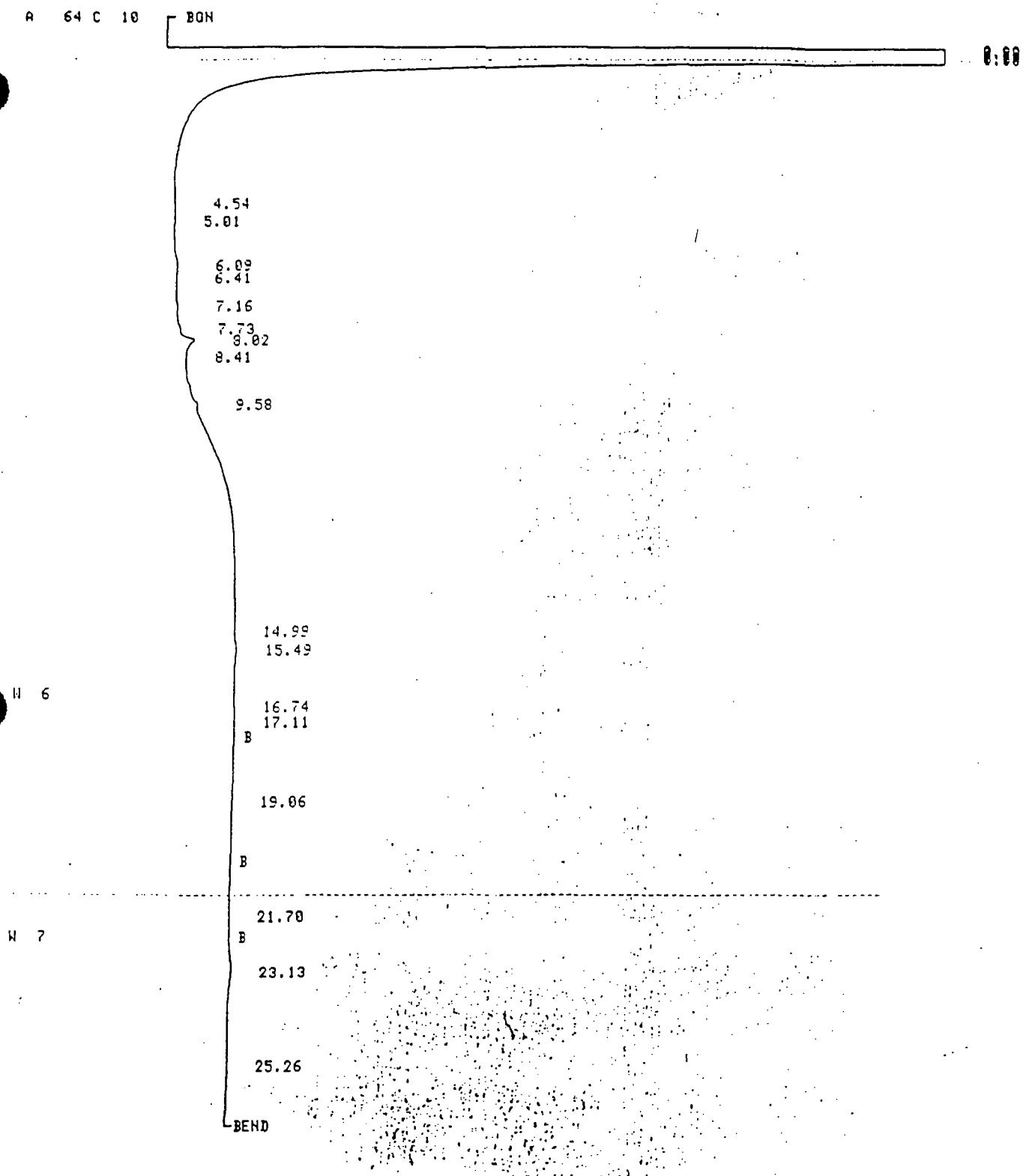
RT	AREA	BC	AREA %
0.93	1.3472	V	4.6771
0.98	2.1172	V	7.3503
3.39	2.2397	V	7.7756
5.99	1.3983	V	4.8545
8.01	2.2677	V	7.8729
12.56	15.0438	V	52.2281
15.47	0.5064	V	1.7581
17.43	1.5028	V	5.2175
22.02	0.8699	V	3.0197

10 PEAKS > AREA/HT REJECT

RUN 16 0:32 88/04/26 Wahler 8040280 20g/20ml 2>

METHOD 3 PHENOLS 8040

A 64 C 10



RUN 16 0:32 88/04/26

METHOD 3 PHENOLS 8040 CALCULATION: %

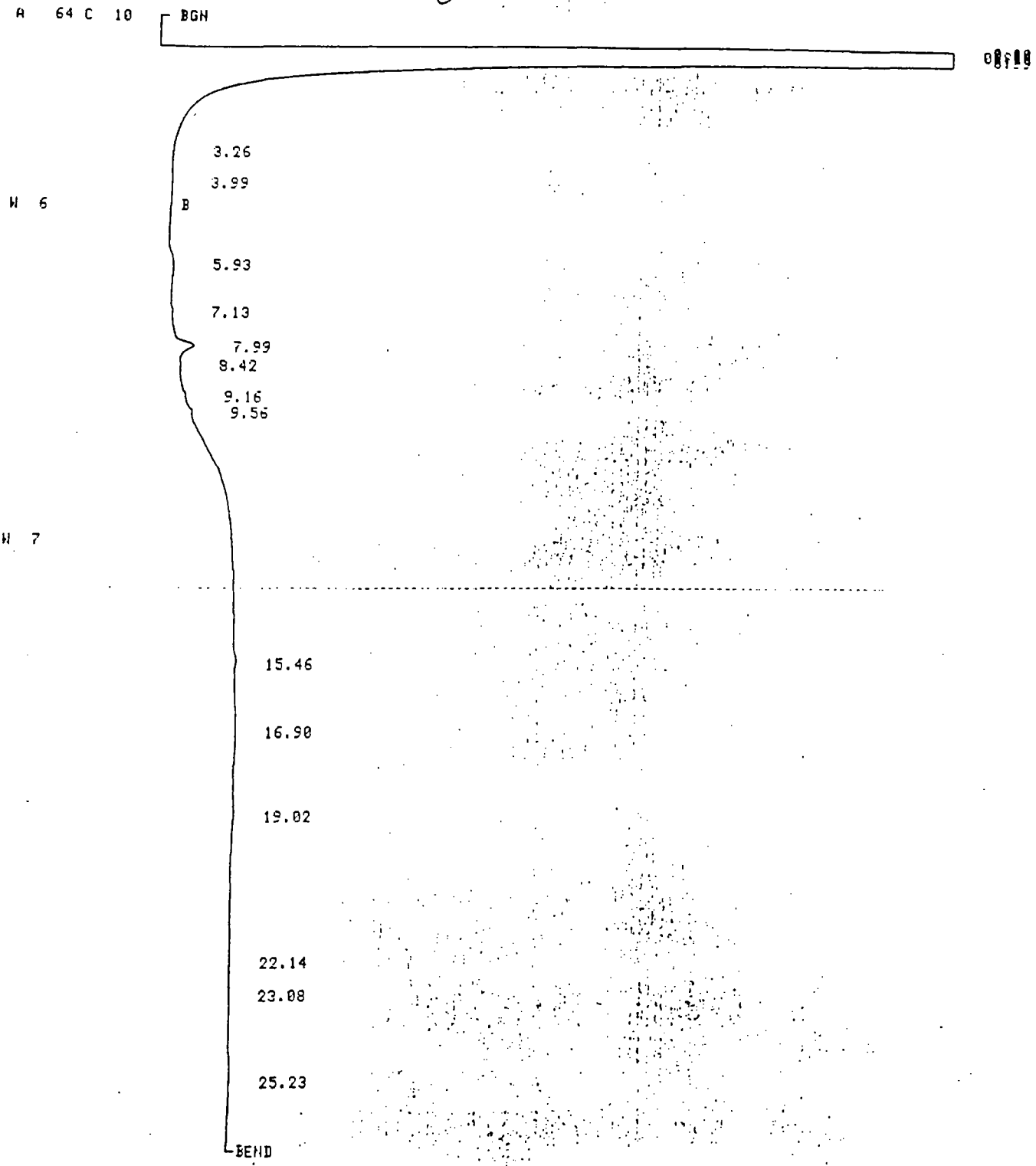
RT	AREA	BC	AREA %
0.80	5.8690	V	1.6198
0.83	295.1127	V	81.4505
0.94	1.6276	V	0.4492
8.02	2.1919	V	0.6049
14.99	54.2398	V	14.9863
15.49	0.6829	V	0.1884
23.13	2.0161	V	0.5564
25.26	0.5219		0.1440

8 PEAKS > AREA/HT REJECT

RUN 10 21:28 88/04/25 Wanler 8040281 5g/5ml 2>

METHOD 3 PHENOLS 8040

A 64 C 10



RUN 10 21:28 88/04/25

METHOD 3 PHENOLS 8040 CALCULATION: %

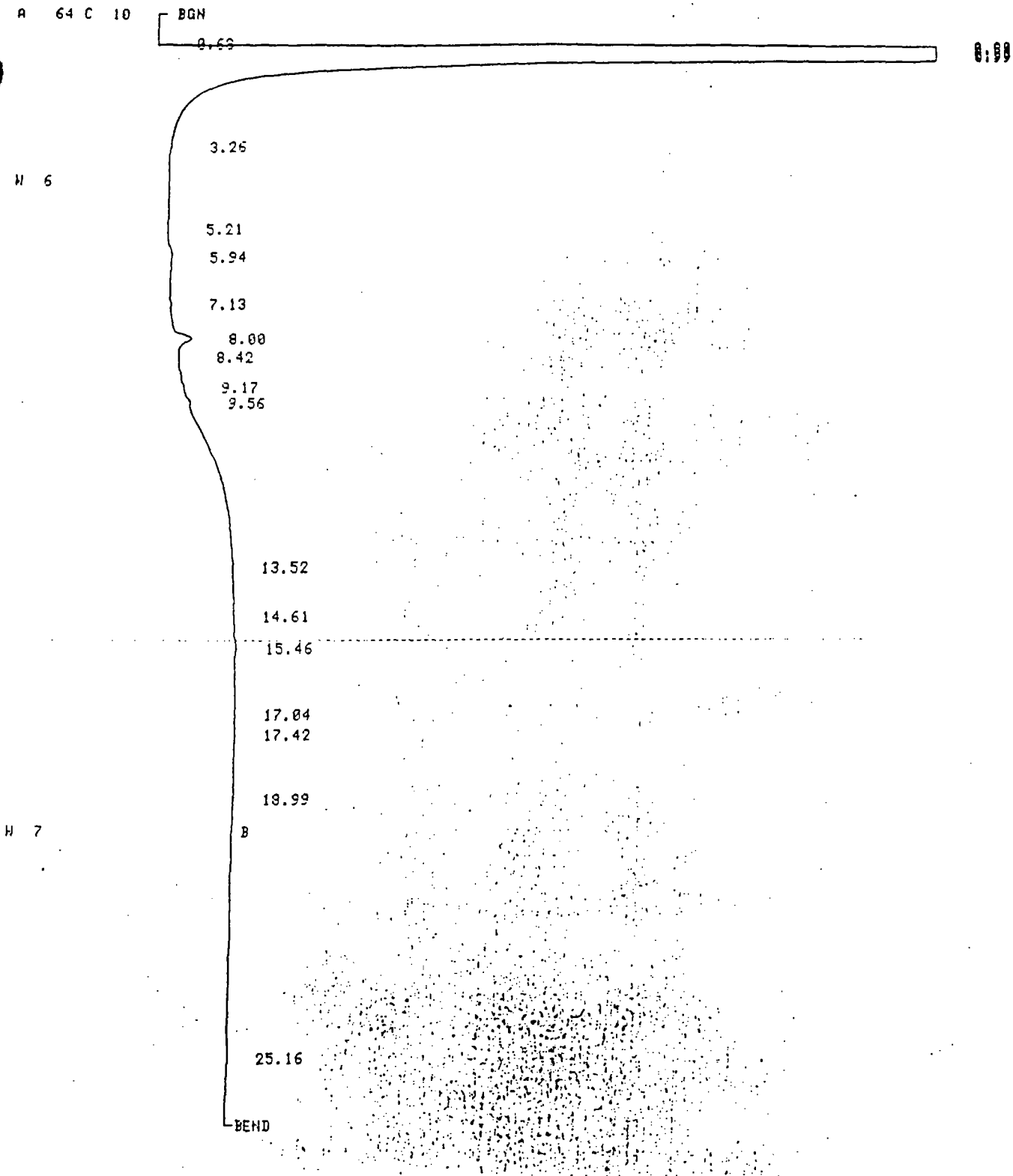
RT	AREA	BC	AREA %
0.84	162.0484	V	92.4755
0.90	0.7904	V	0.4510
3.99	0.5383		0.3071
5.93	1.9956	V	1.1388
7.99	3.3531	V	1.9134
15.46	1.8065	V	1.0309
16.90	2.0155	V	1.1502
25.23	2.6659		1.5227

8 PEAKS > AREA/HT REJECT

RUN 11 21:59 88/04/25

METHOD 3 PHENOLS 8040 8040281d 20g/10ml 2λ

A 64 C 10



RUN 11 21:59 88/04/25

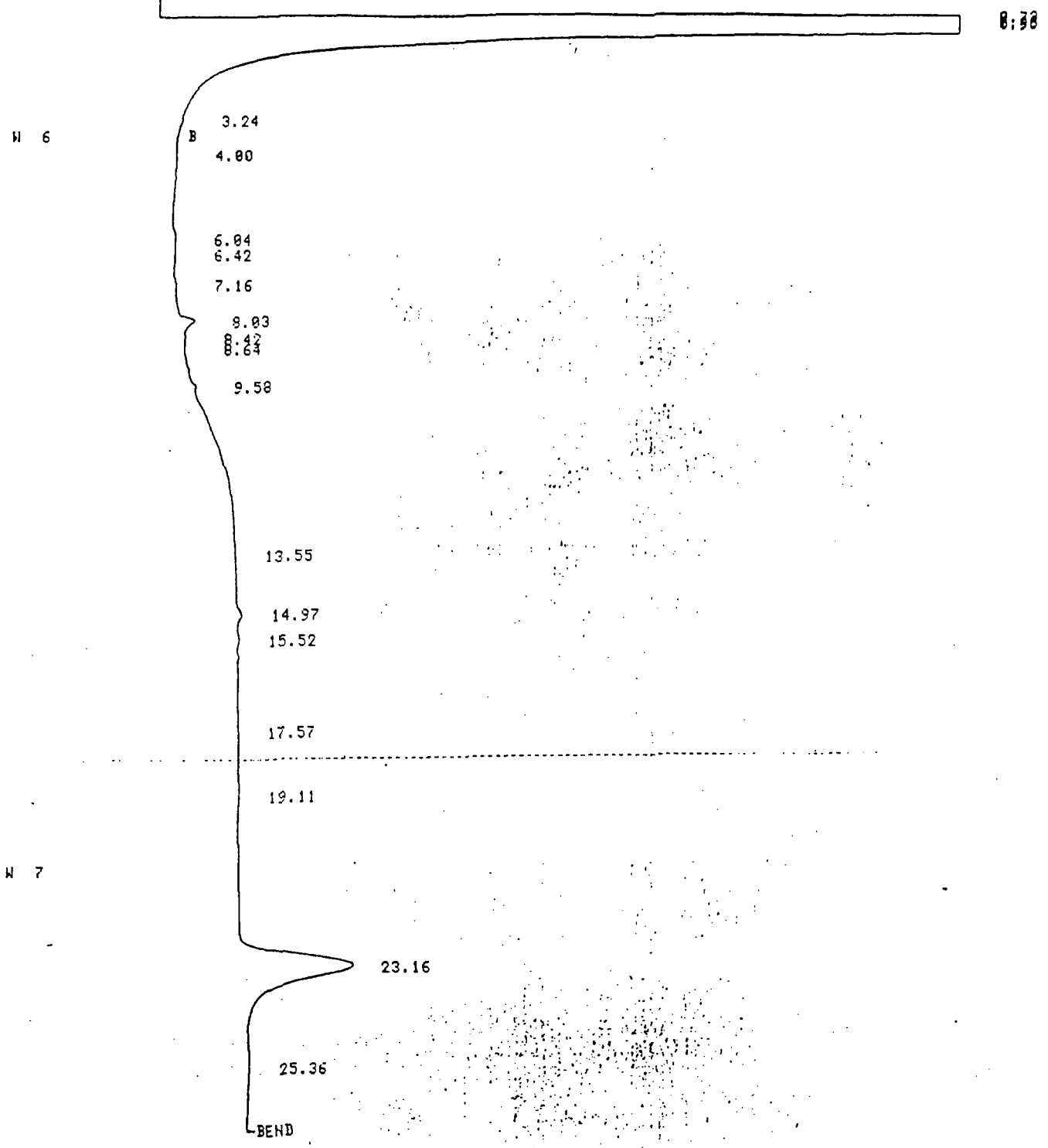
METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.80	2.9194	V	1.2028
0.84	202.3891	V	83.3890
0.93	1.1080	V	0.4565
5.94	2.3090	V	0.9513
9.00	3.0544	V	1.2585
13.52	28.7036	V	11.8266
15.46	0.7445	V	0.3067
18.99	0.5279		0.2175
25.16	0.9481		0.3906

9 PEAKS > AREA/HT REJECT

METHOD 3 PHENOLS 8040 8040281S 5g/5ml 4λ

A 64 C 10 BGN



RUN 14 23:30 88/04/25

METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.83	2.2672	V	2.2068
6.03	1.8961	V	1.8457
13.55	26.1149	V	25.4197
14.97	1.1801	V	1.1487
15.52	0.5727	V	0.5574
19.11	1.0590	V	1.0306
23.16	68.5305	V	66.7550
25.36	1.0638		1.0355

8 PEAKS > AREA/HT REJECT

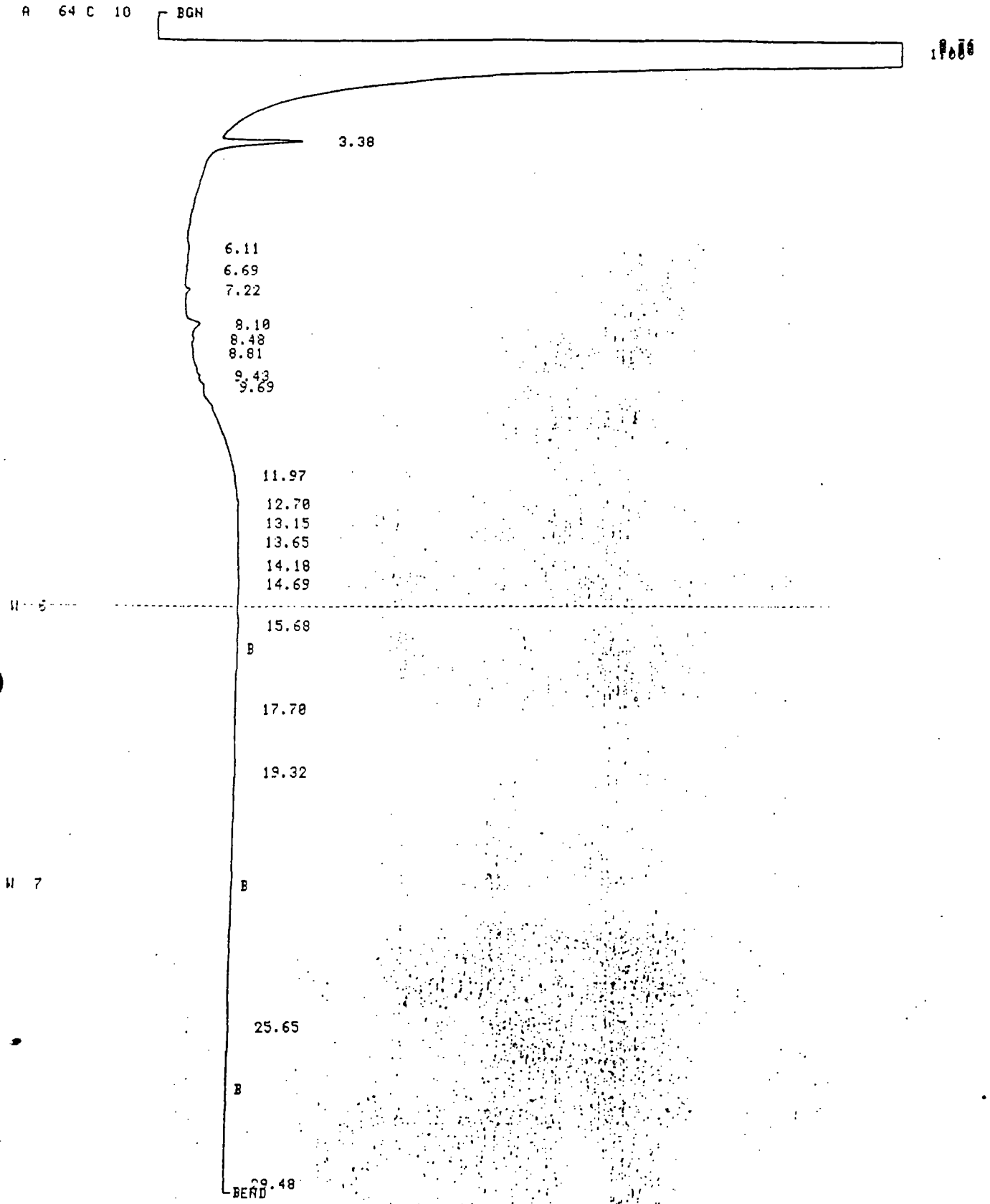
later

RUN 5 21:04 89/04/13

METHOD 3 MODIFIED

A 64 C 10

8030 282 5g/5ml #1



RUN 5 21:04 89/04/13

METHOD 3 MODIFIED CALCULATION: %

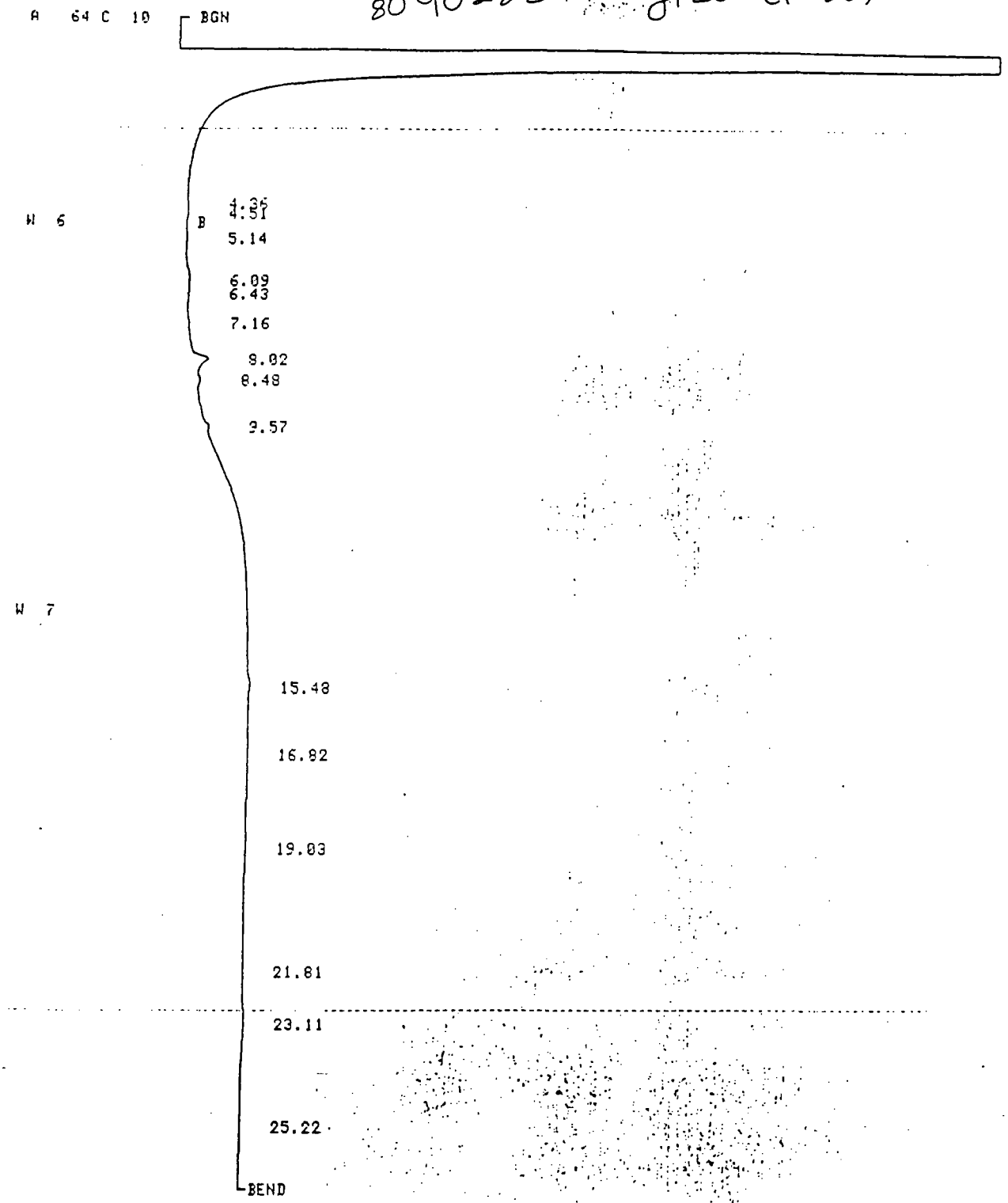
RT	AREA	BC	AREA %
0.83	0.9840	V	7.4892
0.90	1.0940	V	8.3264
6.11	0.7496	V	5.7053
7.22	0.5739	V	4.3684
8.10	1.3984	V	10.6431
11.97	5.6545	V	43.0368

RUN 17 1:02 88/04/26

METHOD 3 PHENOLS 8040

wahler 8040283 20g/20ml 2λ

A 64 C 10



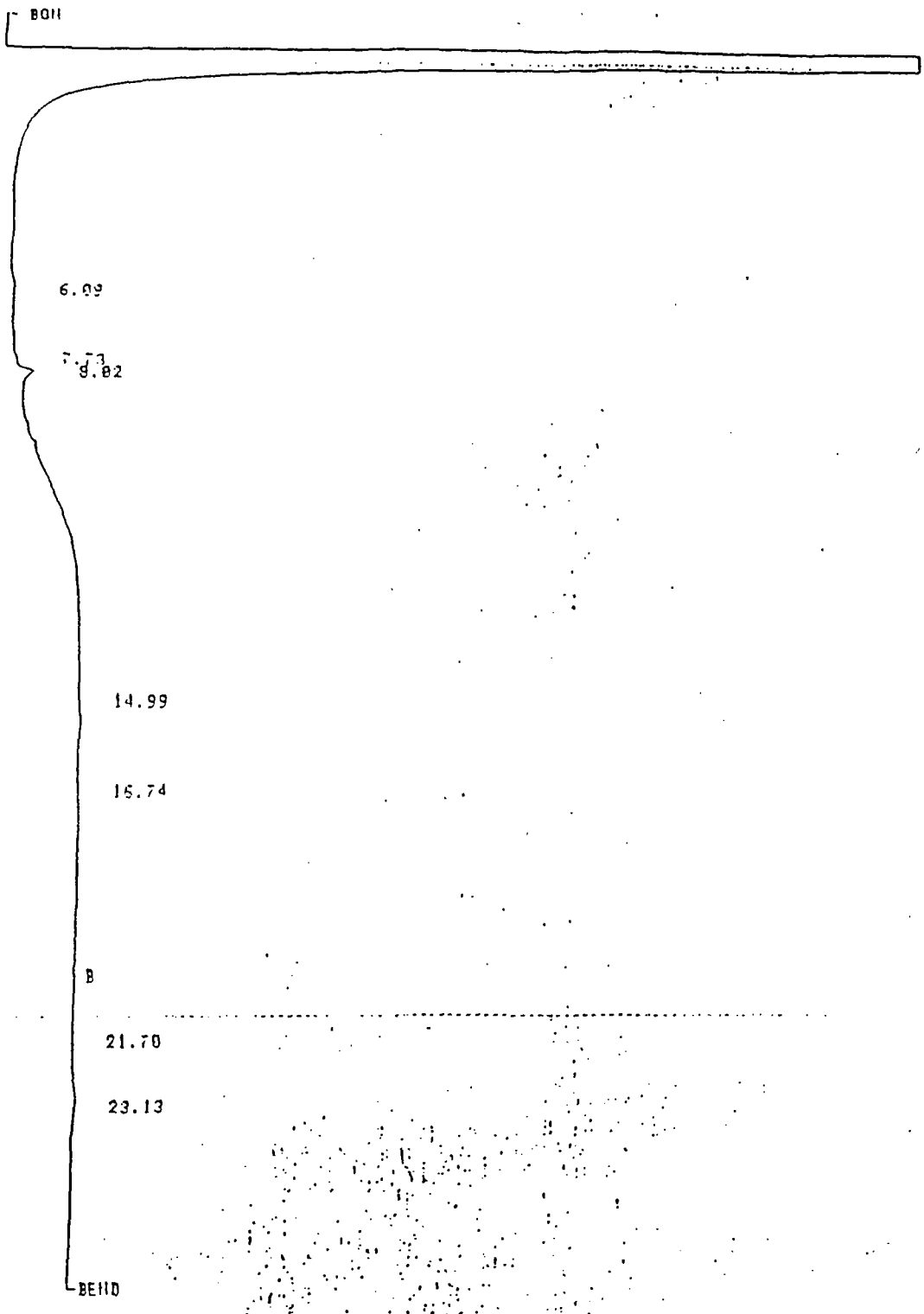
RUN 17 1:02 88/04/26

METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.34	266.7189	V	97.0611
0.90	0.8380	V	0.3049
0.96	0.9756	V	0.3550
8.02	2.1259	V	0.7736
15.48	1.3089	V	0.4763
16.82	0.9531	V	0.3468
23.11	1.3513	V	0.4917
25.22	0.5235		0.1905

8 PEAKS > AREA/HT REJECT

METHOD 3 PHENOLS 8040 8040284 20g/20ml 2/



RUN 16 8:32 88/04/26

METHOD 3 PHENOLS 8040 CALCULATION: %

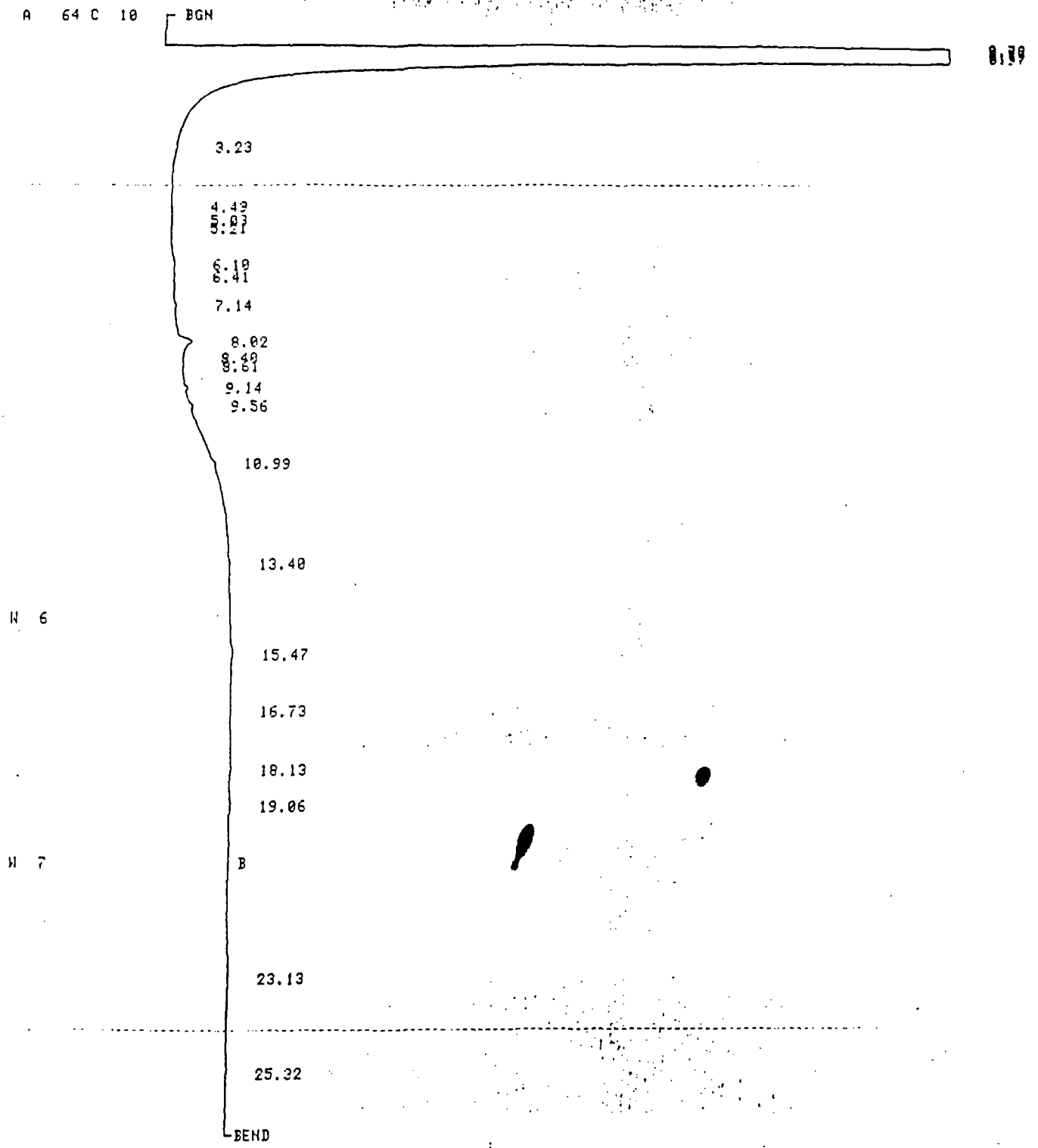
RT	AREA	BC	AREA %
0.80	5.8698	U	1.6138
0.83	295.1127	U	81.4505
0.94	1.6276	U	0.4492
8.82	2.1919	U	0.6049
14.99	54.2339	U	14.9963
15.49	0.6329	U	0.1694
23.13	2.0161	U	0.5564

9 PEAKS > AREA/HT REJECT

RUN 18 1:31 88/04/26 Walter 8040 28 S 20g/20ml 2λ

METHOD 3 PHENOLS 8040

A 64 C 10



RUN 18 1:31 88/04/26

METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.82	241.1520	U	95.8391
0.89	0.7348	U	0.2920
8.02	1.7723	U	0.7043
13.40	5.6606	U	2.2496
15.47	0.8870	U	0.3525
23.13	1.4147	U	0.5622

6 PEAKS > AREA/HT REJECT

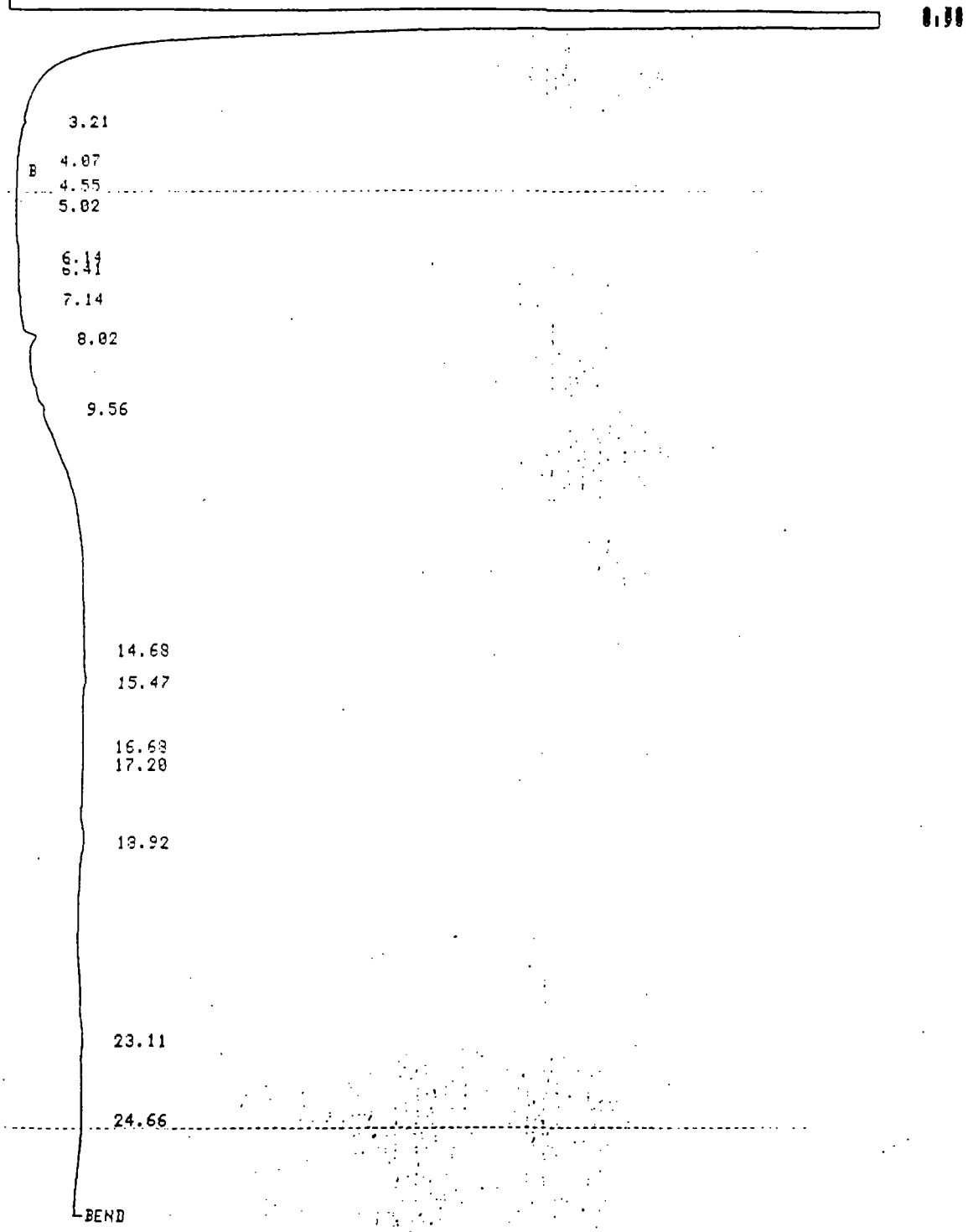
phenol mix 604-M Std 1.70 4λ

RUN 20 8:14 88/04/26

METHOD 3 PHENOLS 8040

8040287 20g/20ml 2λ

A 64 C 10 BGN



RUN 20 8:14 88/04/26

METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.82	962.0704	V	94.2509
0.88	0.7738	V	0.0758
8.02	1.0587	V	0.1037
14.68	49.1338	V	4.8134
15.47	0.6176	V	0.0605
18.92	2.4242	V	0.2374
23.11	1.5522	V	0.1520
24.66	3.1230		0.3059

8040289 2λ

8 PEAKS > AREA/HT REJECT

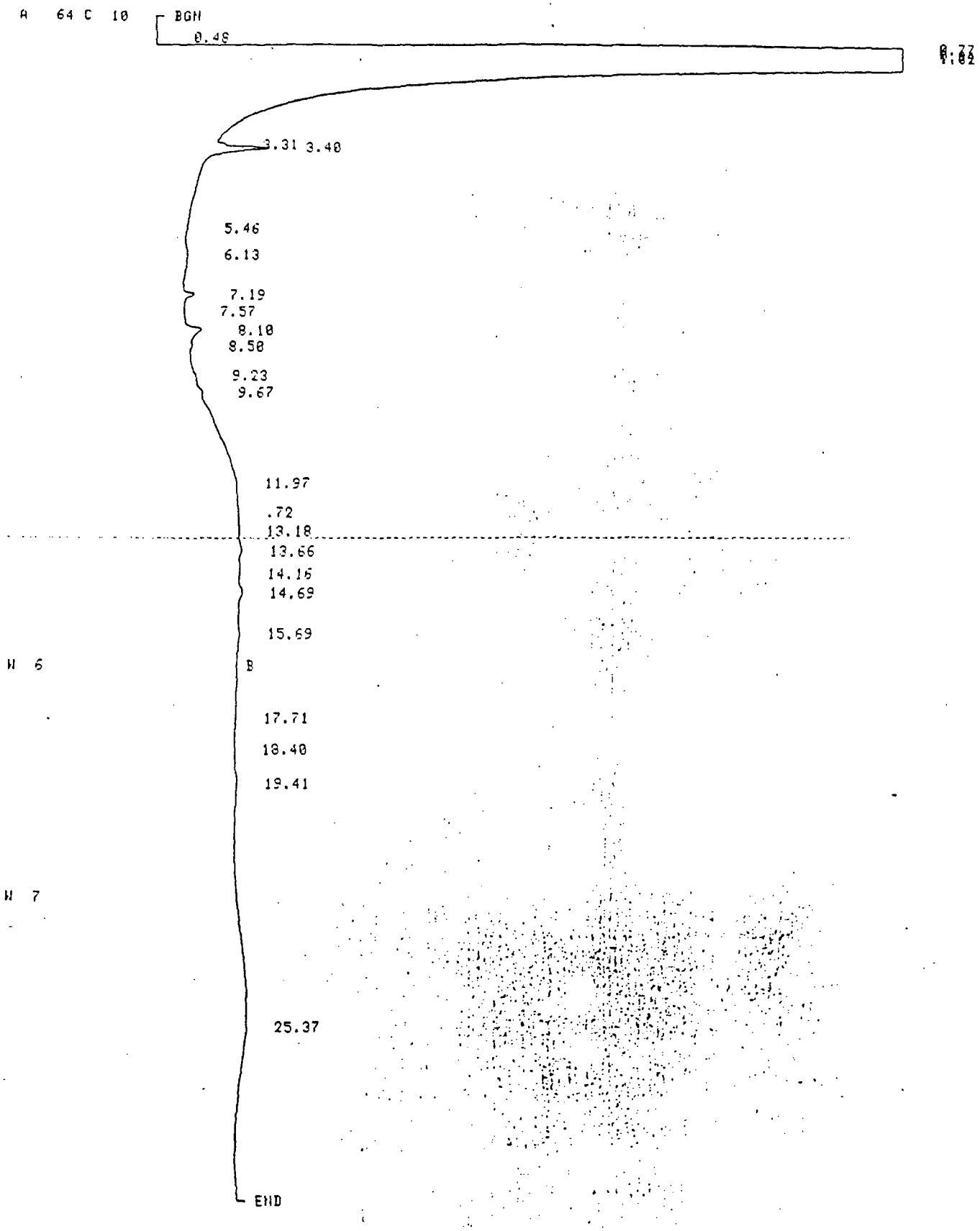
Wanie

8040288 .5g/5ml 2λ

RUN 6 21:36 88/04/13

METHOD 3 MODIFIED

A 64 C 10

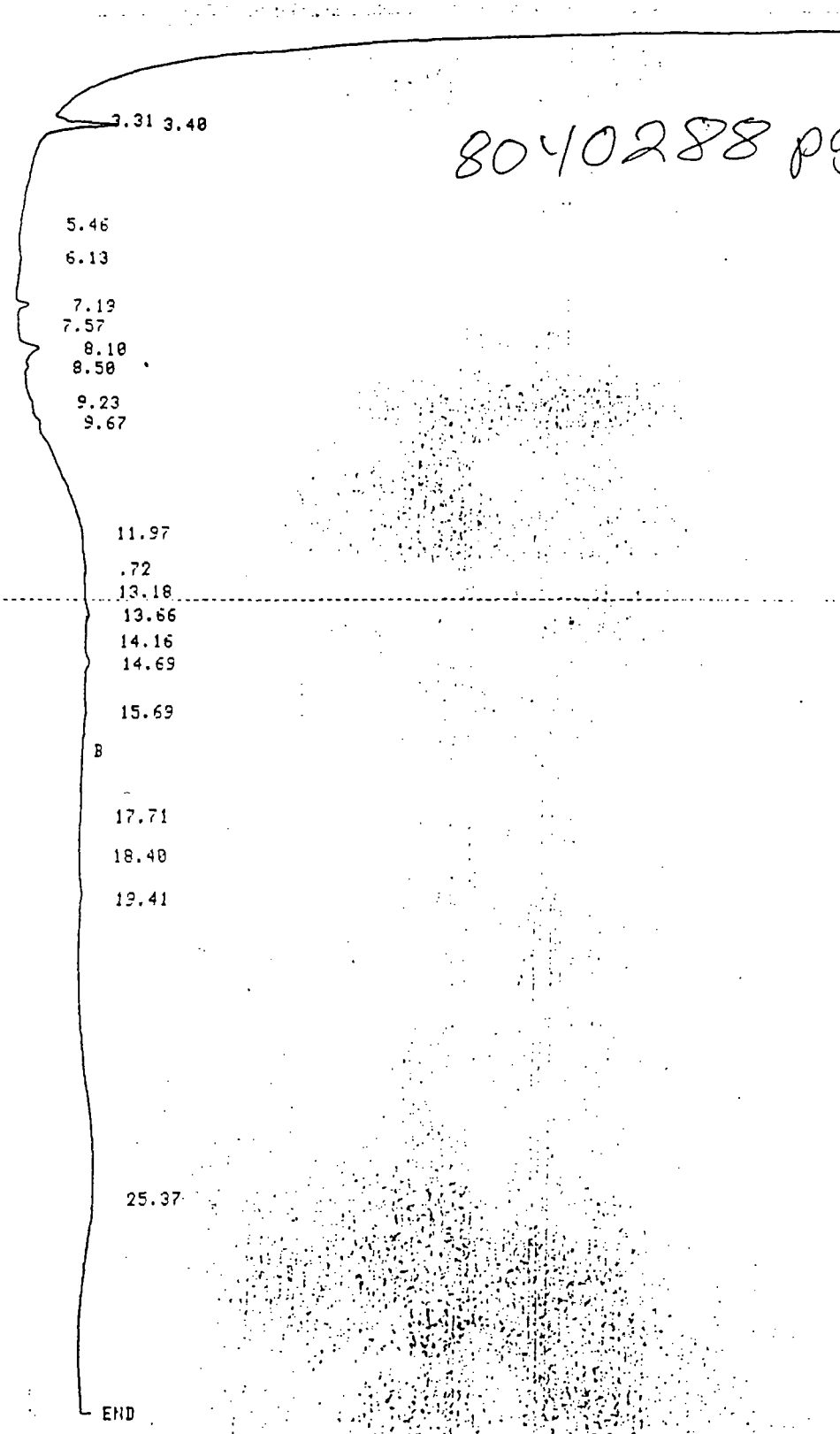


RUN 6 21:36 88/04/13

METHOD 3 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
0.94	3.2563	V	6.2690
6.13	1.2576	V	2.4208
7.19	1.3071	V	2.5161

8040288 pg. 2



RUN 6 21:36 88/04/13

METHOD 3 MODIFIED CALCULATION: %

RT	AREA	BC	AREA %
0.94	3.2568	V	6.2690
6.13	1.2576	V	2.4208
7.19	1.3071	V	2.5161
8.10	2.3197	V	4.4652
11.97	4.4129	V	8.4946
13.66	0.8275	V	1.5930
14.69	1.0972	V	2.0928
15.69	0.5846		1.1253
19.41	1.6557	V	3.1871
25.37	35.2406	V	67.8356

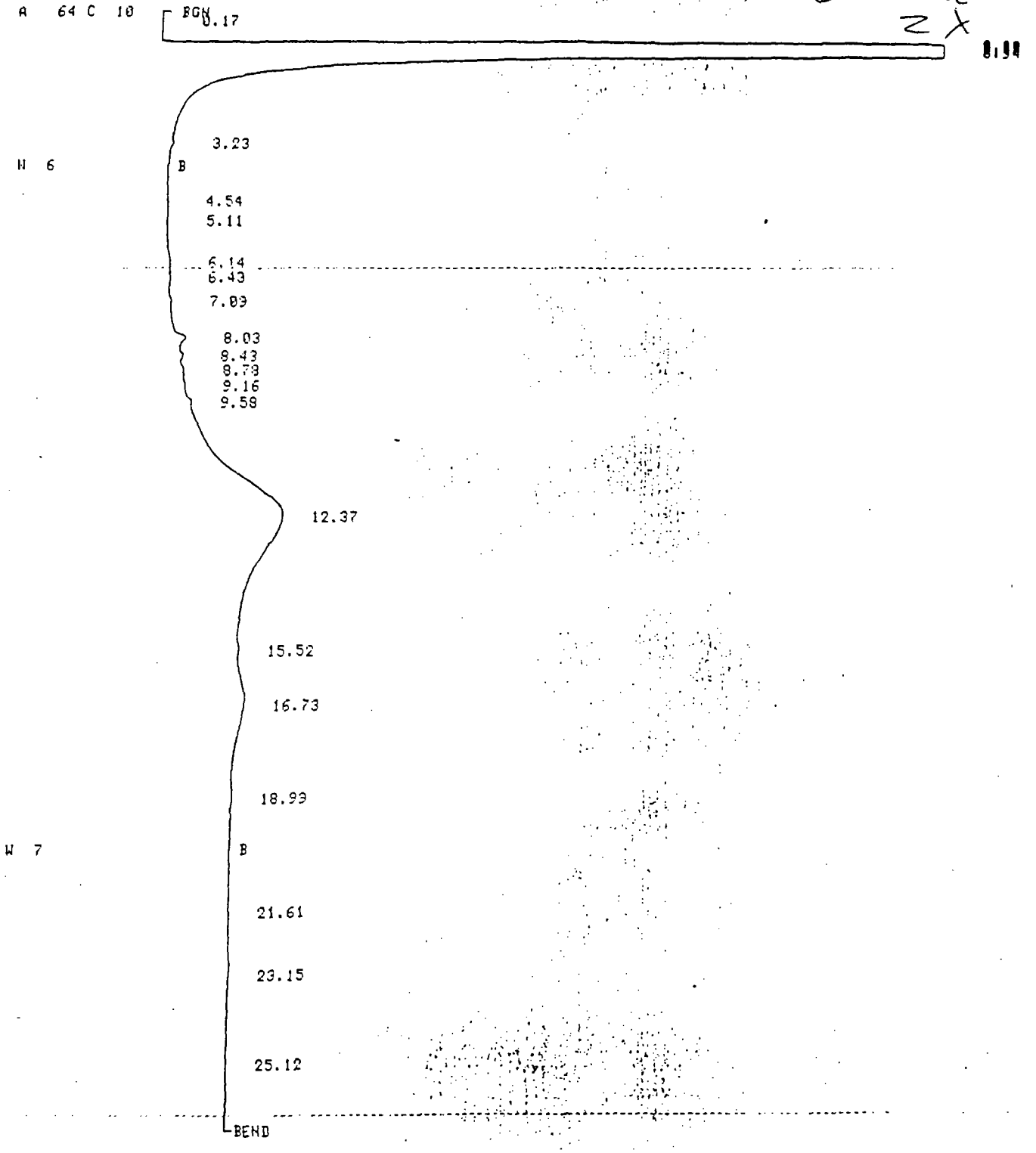
10 PEAKS > AREA/HT REJECT

RUN 21 8:43 88/04/26

METHOD 3 PHENOLS 8040

8040284 20g/20ml 2X

A 64 C 10



RUN 21 8:43 88/04/26

METHOD 3 PHENOLS 8040 CALCULATION: %

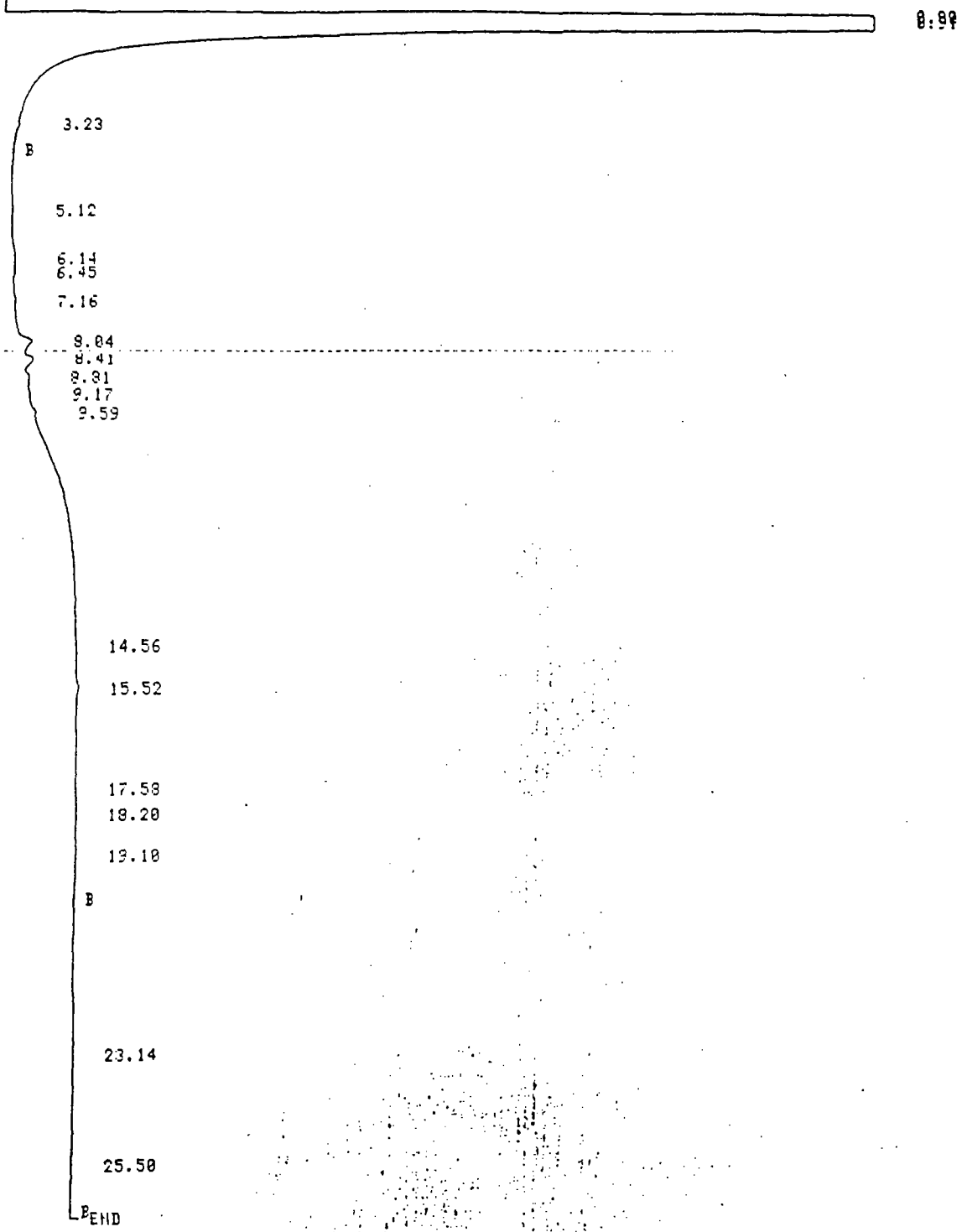
RT	AREA	BC	AREA %
0.80	13.2064	V	3.7033
0.82	183.0546	V	51.3318
0.87	0.8989	V	0.2520
8.03	1.0524	V	0.2951
12.37	148.0075	V	41.5040
16.73	9.7860	V	2.7441
23.15	0.6041	V	0.1694

7 PEAKS > AREA/HT REJECT

RUN 22 9:12 88/04/26

METHOD 3 PHENOLS 8040 2040290 20g/20ml 2λ

A 64 C 10 BGN



RUN 22 9:12 88/04/26

METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.80	12.6819	V	3.8670
8.82	269.0029	V	82.0256
8.04	0.3067	V	0.2460
8.41	1.2938	V	0.3945
14.56	42.7074	V	13.0225
15.52	0.6088	V	0.1856
19.10	0.8479		0.2585

7 PEAKS > AREA/HT REJECT

blank

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 04/05/88
Date Received: 04/06/88
Date Reported: 04/26/88

Project: #JCO-104H

Q.C. DATA REPORT

Analyst: G. Emory
Date of Analysis: 4/15/88
Method of Analysis: EPA 8015
Detection Limit: 1.0
Units: ppm

Sample Number	Analyte	Original Result	Duplicate Result	% Deviation
8040270	Paint Thinner	96	96	0

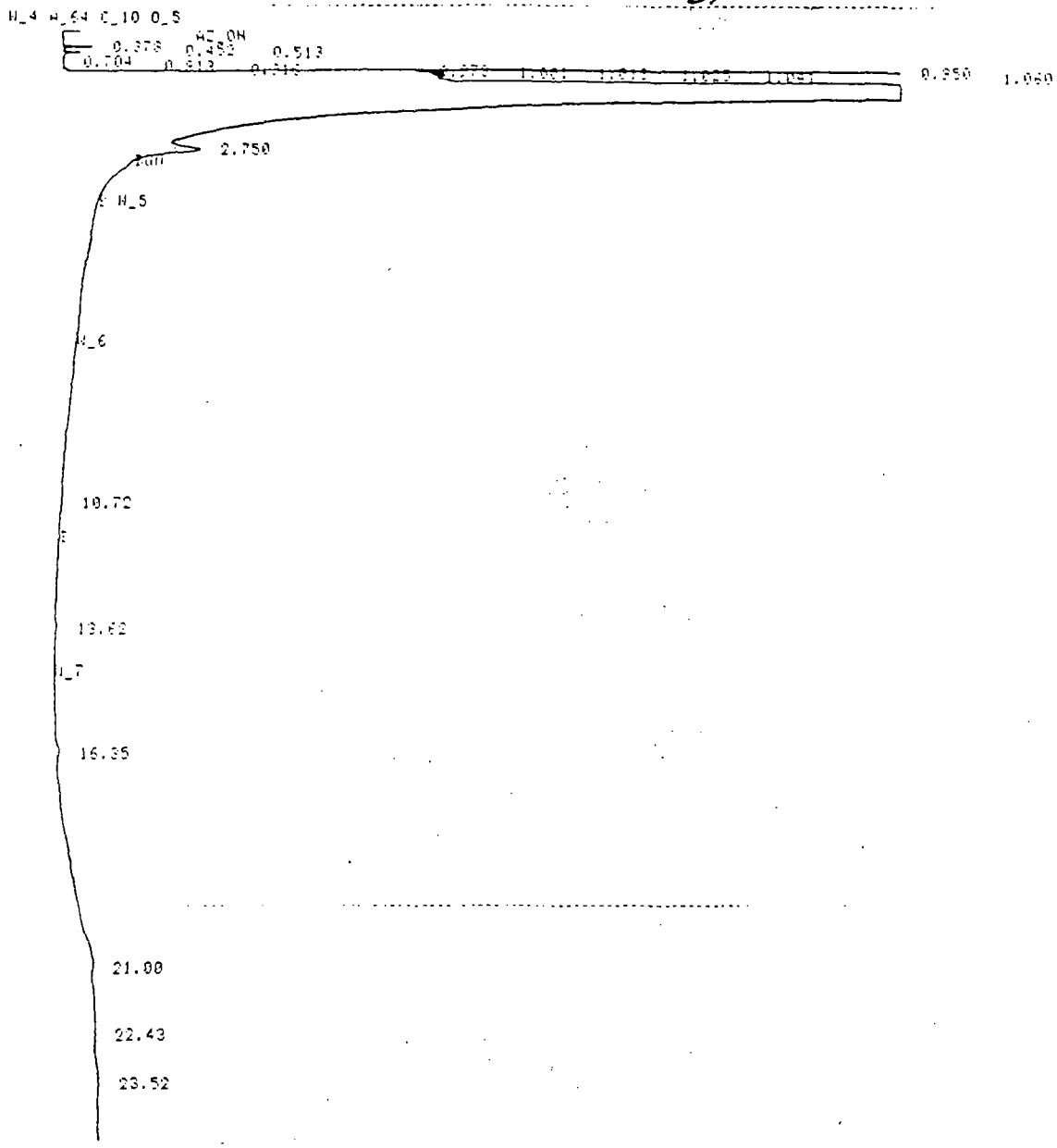
Sample Number	Analyte	Sample Contribution	Spike Added	Spike Result	% Recovery
8040270	Paint Thinner	160	20	184	120

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

FILE 2 RUN 2 STARTED 00:58.8 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

Blank



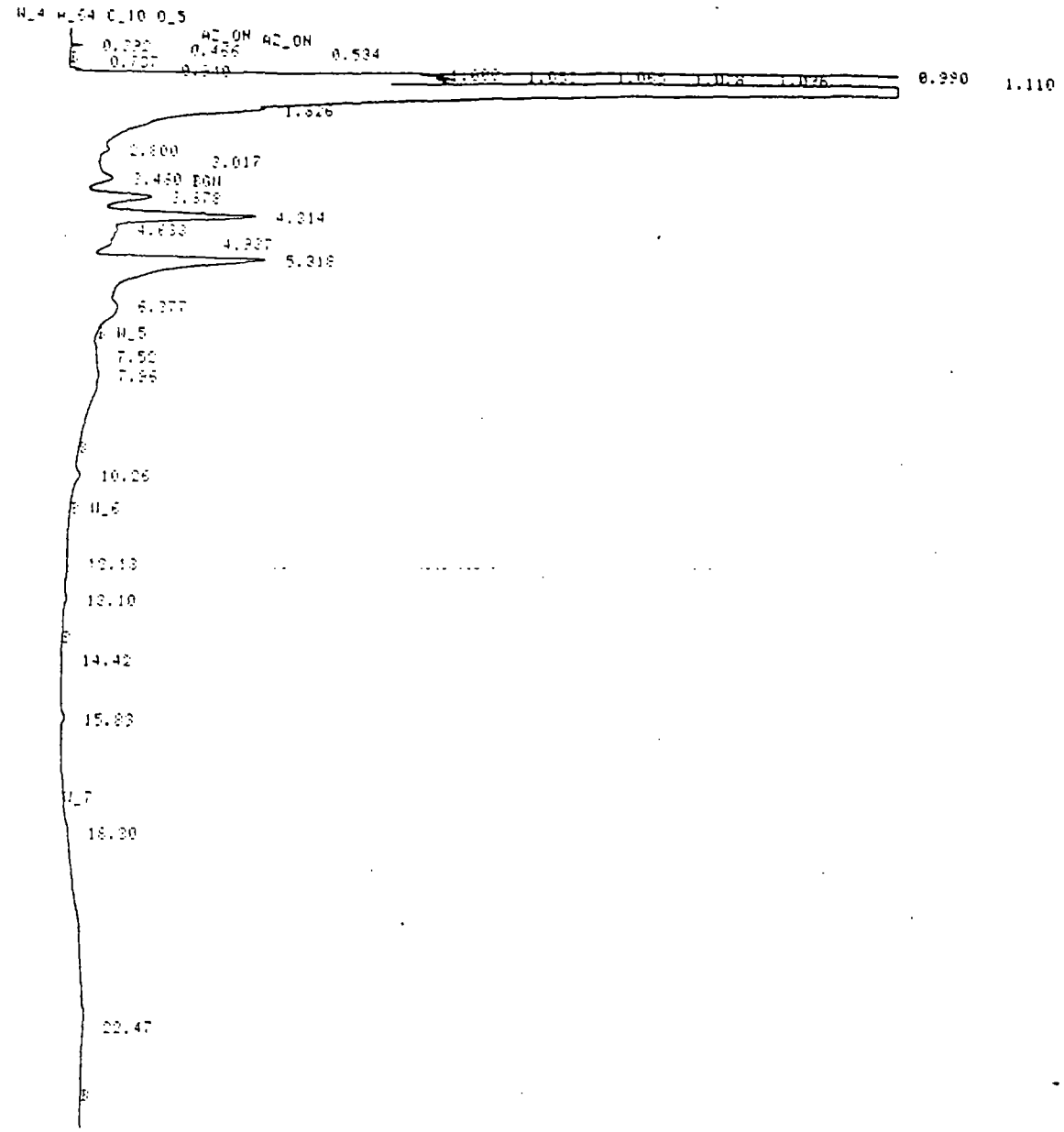
FILE 2 RUN 2 STARTED 00:58.8 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
10.72	9719	0.5236		6.3200	5.7873
13.62	19811	1.2669	V	12.8933	14.0024
16.35		2.0204	V		22.2317
21.00		2.7931	V		30.8714
22.43	88056	1.3582	V	57.2636	15.0126
23.52	36188	1.0852	V	23.5331	11.9946

4 PEAKS > AREA REJECT 153774 TOTAL AREA
6 PEAKS > HEIGHT REJECT 9.0474 TOTAL HEIGHT

3µl 118 ppm Lacquer Thinner

FILE 15 RUN 14 STARTED 19:14.6 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01



FILE 16 RUN 14 STARTED 19:14.6 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

RT	AREA	HEIGHT	DC	AREA PERCENT	HEIGHT PERCENT
3.878	801105	55.1231	T	8.9575	13.4874
4.314	1776336	129.6311	T	19.8619	31.7178
4.633	499976	26.3660	T	5.5904	6.4512
4.937	238772	20.1043	T	2.6698	4.9191
5.318	2931471	131.0918	T	32.7779	32.0752
6.377	559804	18.6355		6.2594	4.5597
7.52	87342	4.1310	T	0.9766	1.0108
7.96	447603	7.1517		5.0049	1.7499
10.26	67277	4.1422		0.7522	1.0135
12.13	17857	0.2792	T	0.1997	0.0683
13.10	20984	1.7615		0.2346	0.4310
14.42	2013	0.1452	V	0.0226	0.0355
15.83	34147	2.5742	V	0.3818	0.6298
18.30	36681	2.1978	T	0.4101	0.5378
22.47	1422061	5.3663		15.9006	1.3130

15 PEAKS > AREA REJECT 9343438 TOTAL AREA
15 PEAKS > HEIGHT REJECT 408.7010 TOTAL HEIGHT

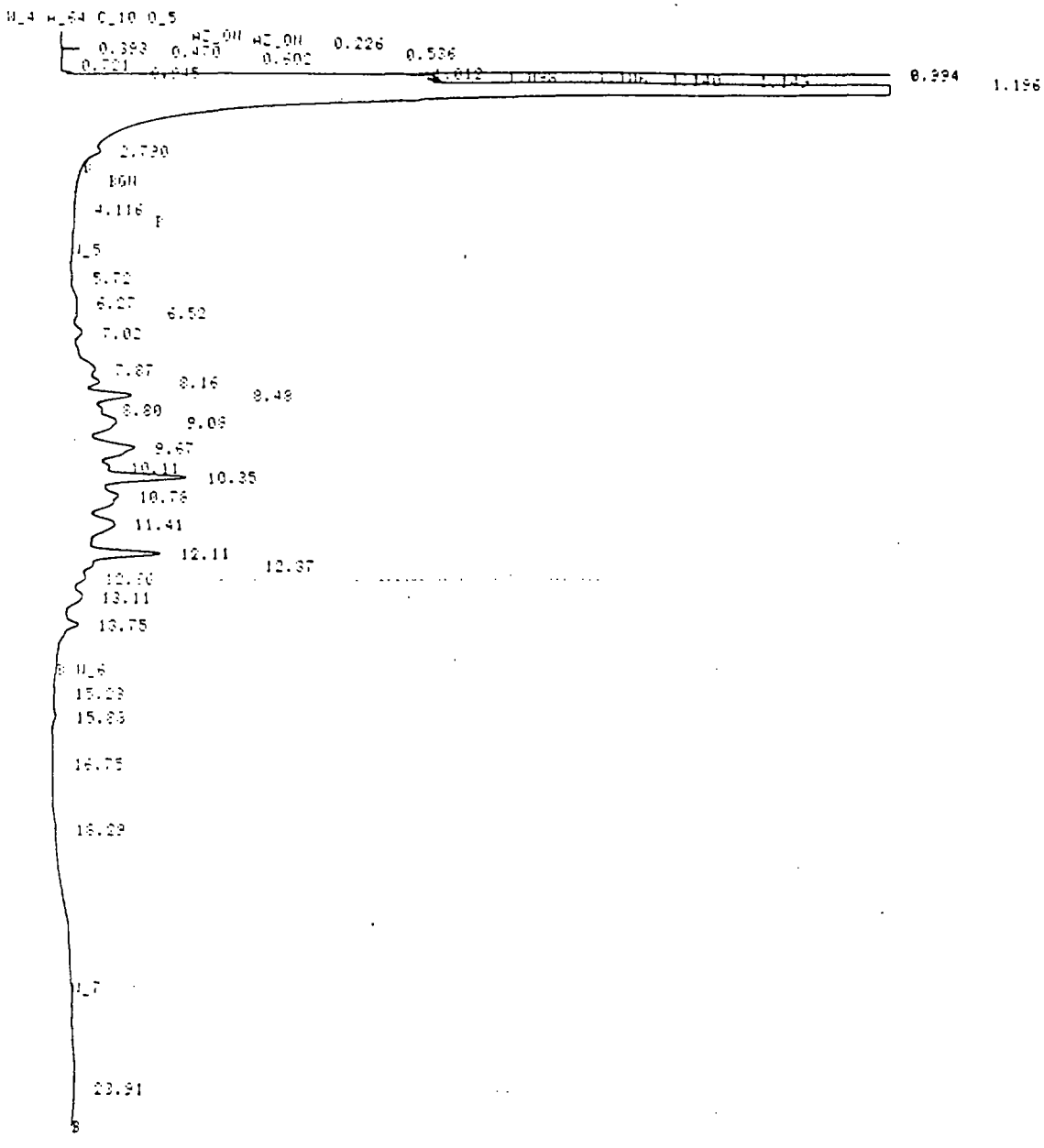
3µl 118 ppm Paint thinner

FILE 17 RUN 15 STARTED 19:54.3 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

N_4 N_54 C_10 O_5

3µl 118ppm Paint thinner

FILE 17 RUN 15 STARTED 19:54.3 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01



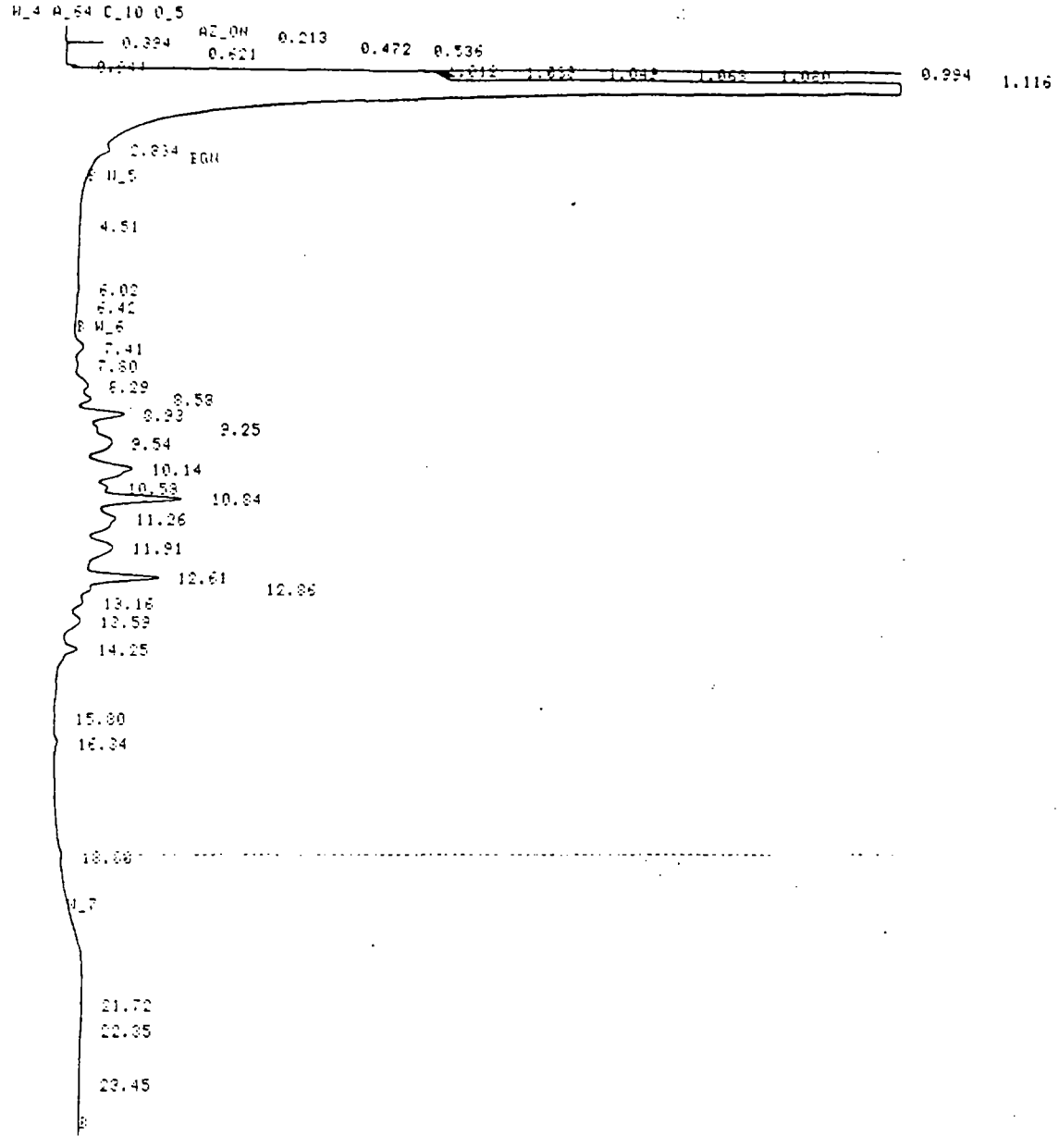
FILE 17 RUN 15 STARTED 19:54.3 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.116	1187	0.1100		0.0102	0.0185
5.72	24020	1.6301	T	0.2086	0.2835
6.27	126035	5.9391	T	1.0853	0.9962
6.52	116951	6.0883	T	1.0070	1.0212
7.02	203082	9.8406	T	1.7487	1.6505
7.87	563782	20.8604	T	4.8546	3.4999
8.16	372167	24.2803	T	3.2046	4.0728
8.48	730962	48.6202	T	6.2941	8.1550
8.80	286217	27.0734	T	2.4646	4.5410
9.08	1008938	39.1357	T	8.6877	6.3365
9.67	1311852	52.7211	T	11.2961	8.8428
10.11	320580	34.3216	T	3.3632	5.7567
10.35	1303753	91.6708	T	11.2263	15.3758
10.78	1235390	41.5406	T	10.6377	6.9676
11.41	1276274	39.1113	T	10.9897	6.5601
12.11	1046801	73.5791	T	9.0310	12.3413
12.37	288936	22.8448	T	2.4880	3.8995
12.66	321166	18.5042	T	2.7655	3.1037
13.11	421199	16.5787	T	3.6268	2.8478
13.75	313426	14.9948		2.7419	2.5151
15.29	6157	0.6155	V	0.0533	0.1032
15.83	23209	2.2027	V	0.2429	0.3695
16.75	2710	0.2117	V	0.0233	0.0355
18.29	4353	0.8574	V	0.0375	0.1439
23.91	221978	2.4061		1.9114	0.4036

25 PEAKS AREA REJECT 11613360 TOTAL AREA
25 PEAKS HEIGHT REJECT 596.2004 TOTAL HEIGHT

FILE 18 RUN 17 STARTED 20:15.9 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

Sink 118ppm Paint Thinner



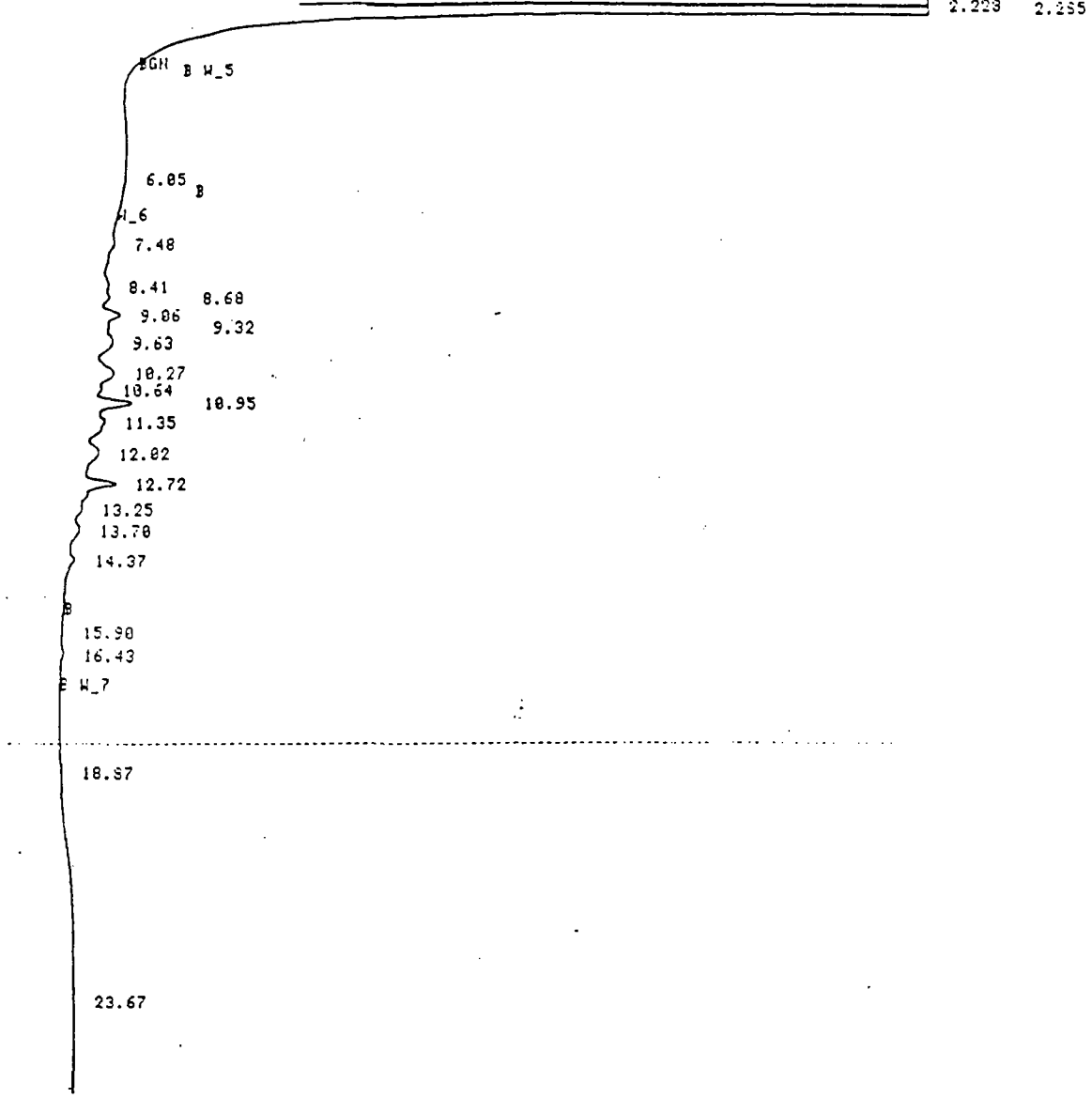
FILE 18 RUN 17 STARTED 20:15.9 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.51	857	0.0591	V	0.0233	0.0220
6.02	15057	1.1463	V	0.4100	0.4272
6.42	10556	0.5807		0.2874	0.2164
7.41	91309	5.8749	V	2.4865	2.1896
7.80	16134	1.6709	V	0.4393	0.6227
8.29	77073	5.5498	V	2.0988	2.0685
8.58	64832	7.1016	V	1.7655	2.6468
8.93	297061	28.5123	V	8.0894	10.6268
9.25	12905	2.1106	V	0.3514	0.7866
9.54	270833	13.7439	V	7.3751	5.1225
10.14	478561	28.0886	V	13.0319	10.4689
10.58	29618	4.1575	V	0.8065	1.5495
10.84	538513	57.2080	V	14.6644	21.3220
11.26	292992	14.2620	V	7.9783	5.3156
11.91	340614	16.9699	V	9.2754	6.3248
12.61	493409	50.9071	V	13.4362	18.9736
12.86	11008	1.7983	V	0.2997	0.6702
13.16	35113	3.5130	V	0.9562	1.3093
13.59	133913	7.7893	V	3.6466	2.9031
14.25	99216	10.9045	V	2.7013	4.0642
15.80	7104	0.6760	V	0.1935	0.2519
16.34	34826	2.6476	V	0.9484	0.9868
18.80	8210	1.0289	V	0.2236	0.3835
21.72	303952	1.7739	V	8.2770	0.6612
22.35	3258	0.1182	V	0.0887	0.0440
23.45	5331	0.1122		0.1452	0.0418

26 PEAKS > AREA REJECT 3672242 TOTAL AREA
26 PEAKS > HEIGHT REJECT 269.3050 TOTAL HEIGHT

FILE 260 RUN 97 STARTED 22:50.4 80/01/17
% METHOD 1 DIESELS LAST EDITED 05:17.1 80/01/07 3µl 59 ppm Paint Thinner

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222



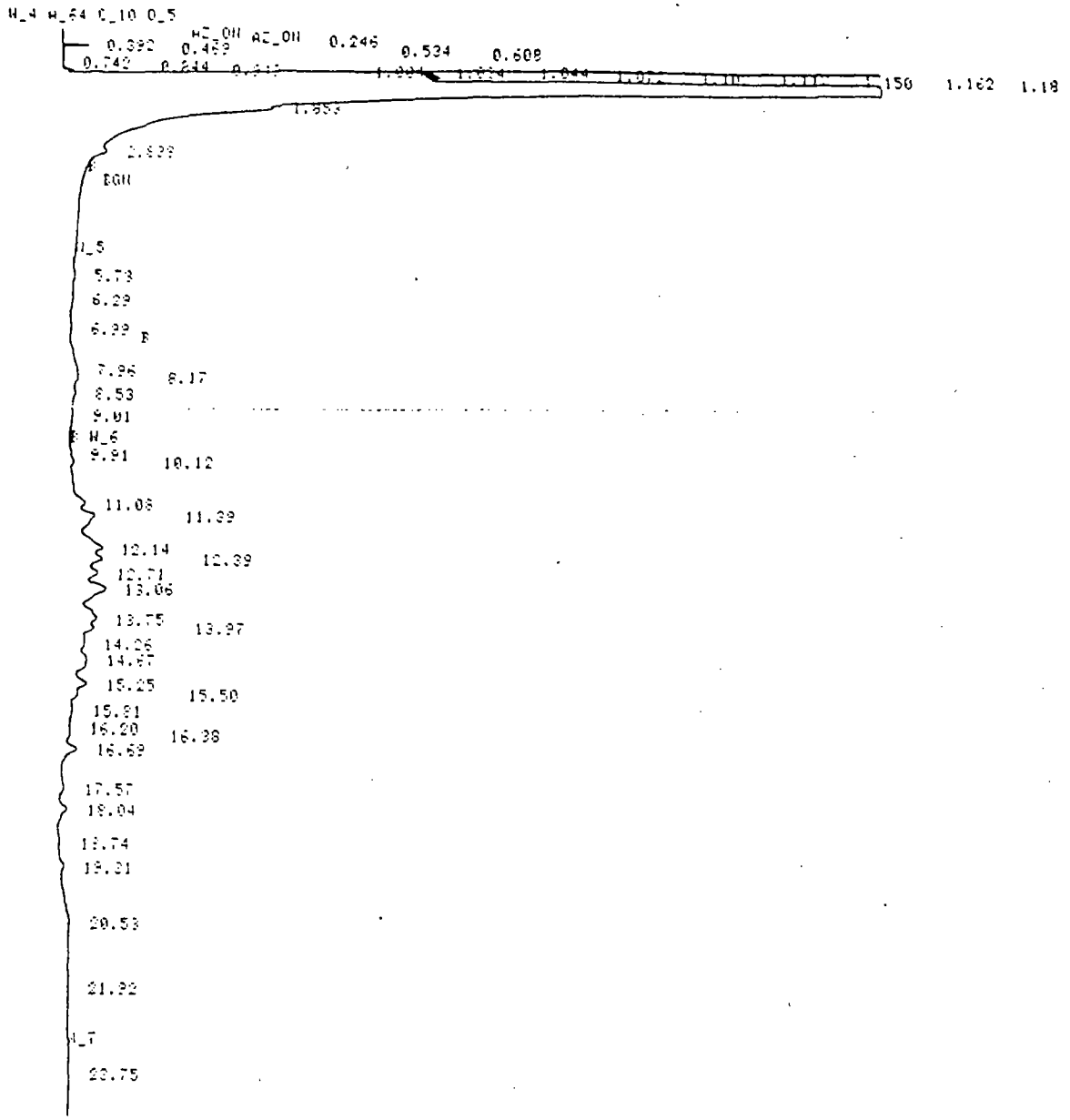
FILE 260 RUN 97 STARTED 22:50.4 80/01/17
% METHOD 1 DIESELS LAST EDITED 05:17.1 80/01/07

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
6.85	8066			0.5364	
7.48	44326		V	2.9479	
8.41	26894		V	1.7865	
8.68	30346		V	2.0181	
9.06	108555		V	7.2194	
9.32	5863		V	0.3899	
9.63	128247		V	8.5290	
10.27	187567		V	12.4741	
10.64	13935		V	0.9267	
10.95	247411		V	16.4539	
11.35	133636		V	8.8874	
12.02	158447		V	10.5375	
12.72	267103		V	17.7636	
13.25	12348		V	0.8212	
13.70	63387		V	4.2155	
14.37	25368			1.6871	
15.90	2492		V	0.1657	
16.43	27191			1.8083	
16.87	7610		V	0.5061	
23.67	4664		V	0.3235	

20 PEAKS > AREA REJECT 1503655 TOTAL AREA
0 PEAKS > HEIGHT REJECT 0.0000 TOTAL HEIGHT

FILE 18 RUN 16 STARTED 20:37.1 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

3µl @ 98 ppm Kerosene

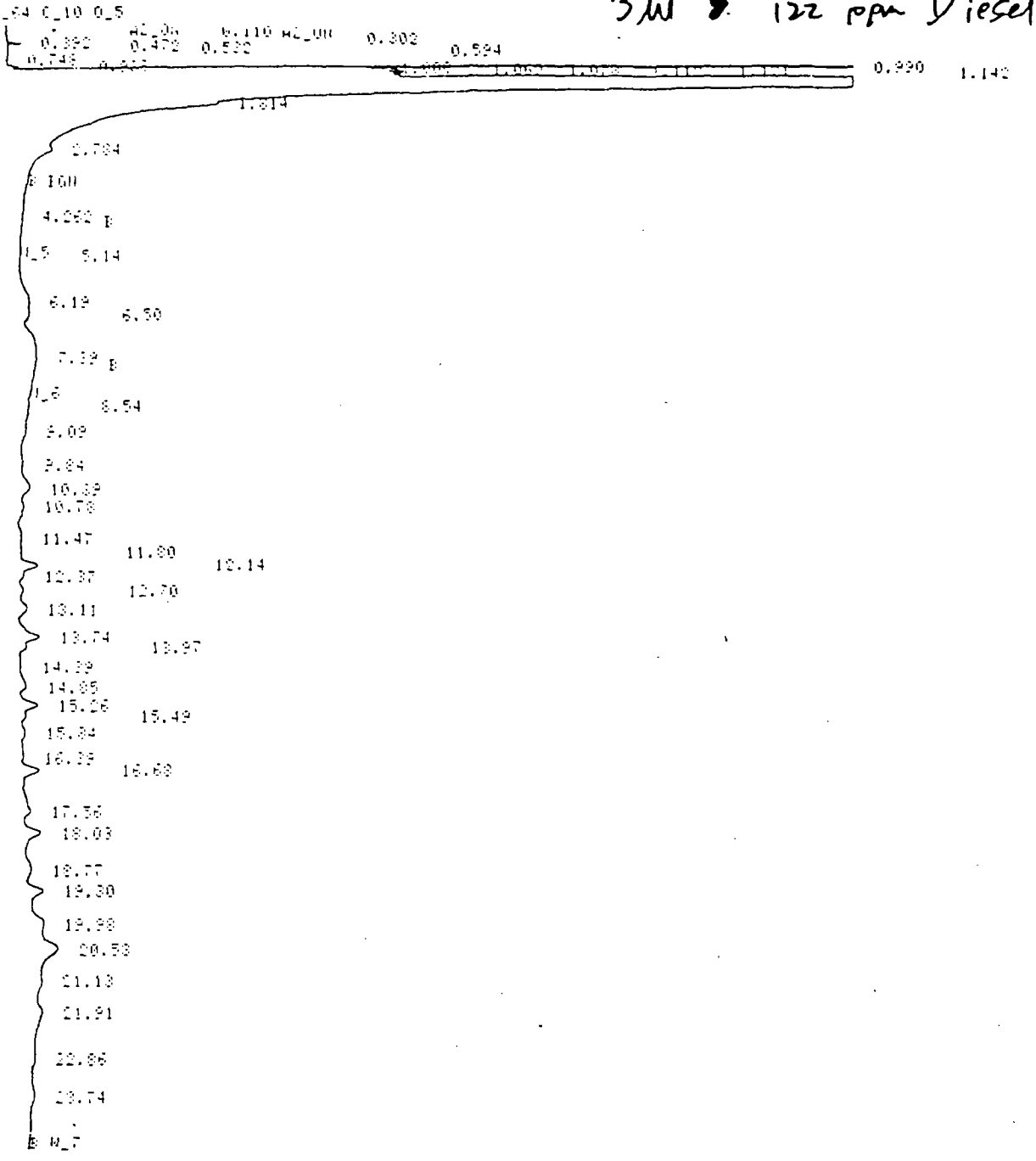


FILE 18 RUN 16 STARTED 20:37.1 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
5.73	20647	1.5603	T	0.3349	0.4921
6.29	20464	1.0303	V	0.3320	0.3249
6.99	13360	0.9081		0.2167	0.2864
7.96	17052	1.5689	T	0.2766	0.4947
8.17	26053	2.0141	T	0.4226	0.6352
8.53	15394	1.2389	V	0.2497	0.4222
9.01	14112	0.8192		0.2289	0.2583
9.91	23776	1.9833	T	0.3857	0.6254
10.12	57054	4.1816	T	0.9256	1.3187
11.08	325721	12.9279	T	5.2852	4.0769
11.39	495145	20.2375	T	8.0325	6.3821
12.14	596297	26.9112	T	9.6751	8.4867
12.39	404724	27.2003	T	6.5656	8.5779
12.71	379780	23.7413	T	6.1610	7.4870
13.06	755991	30.3792	T	12.2641	9.5804
13.75	556157	24.4651	T	9.0223	7.7153
13.97	312090	22.4519	T	5.0629	7.0804
14.26	298219	15.2450	T	4.8379	4.8092
14.67	500466	17.3956	T	8.1188	5.4859
15.25	309832	18.1405	T	5.0263	5.7208
15.50	150259	11.4617	T	2.4376	3.6146
15.91	184555	8.0323	T	2.9940	2.5331
16.20	67825	6.7086	T	1.1003	2.1156
16.38	92584	6.3670	T	1.5019	2.1071
16.69	199181	12.2476	T	3.2325	3.8622
17.57	77073	3.5406	T	1.2503	1.1166
18.04	94116	6.4235	V	1.5279	2.0257
18.74	18035	1.1111	V	0.2926	0.3504
19.21	30027	2.7276	T	0.4871	0.8603
[illegible]	91212	2.6851	T	1.4797	0.8468

% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

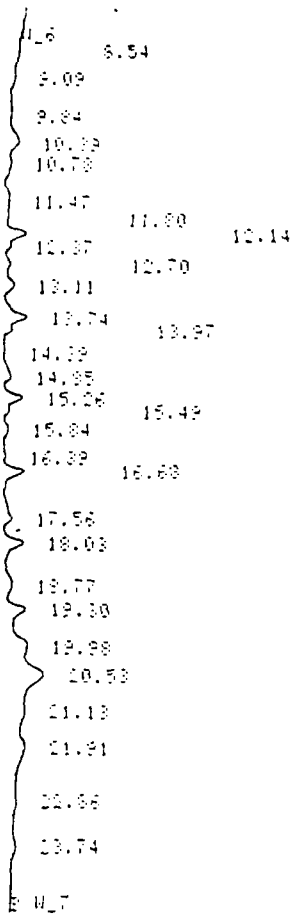
3 µl 8 122 ppm Diesel



FILE 15 RUN 13 STARTED 13:37.9 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.262	1208	0.1356		0.0246	0.0597
5.14	902	0.1310	V	0.0184	0.0577
6.19	118586	5.2745	T	2.4155	2.3213
6.50	77993	4.7065	V	1.5886	2.0714
7.39	168912	3.6522		3.4406	1.6074
8.54	15697	0.7884	T	0.3401	0.3470
9.09	24507	1.3459	V	0.4992	0.5923
9.84	28437	1.6995	T	0.5792	0.7480
10.39	169070	7.5773	T	3.4216	3.3348
10.78	67068	3.6212	V	1.3661	1.5937
11.47	48163	2.5162	T	0.9810	1.1074
11.80	32042	2.0791	T	0.6527	1.0030
12.14	165753	13.8757	T	3.3762	6.1068
12.37	20875	3.6827	T	0.4289	1.6120
12.70	43140	3.3094	T	0.8787	1.4653
13.11	99239	6.0825	V	2.0009	2.6769
13.74	205921	14.7529	T	4.1914	6.4929
13.97	16574	5.3195	V	0.3437	2.3500
14.39	8639	0.7550	V	0.1760	0.3323
14.85	75604	4.7654	T	1.5400	2.0973
15.26	140299	12.3909	T	2.8576	5.4593
15.49	35173	3.7966	T	0.7164	1.6709
15.84	41290	2.8413	T	0.8408	1.2567

Diesel pg 2



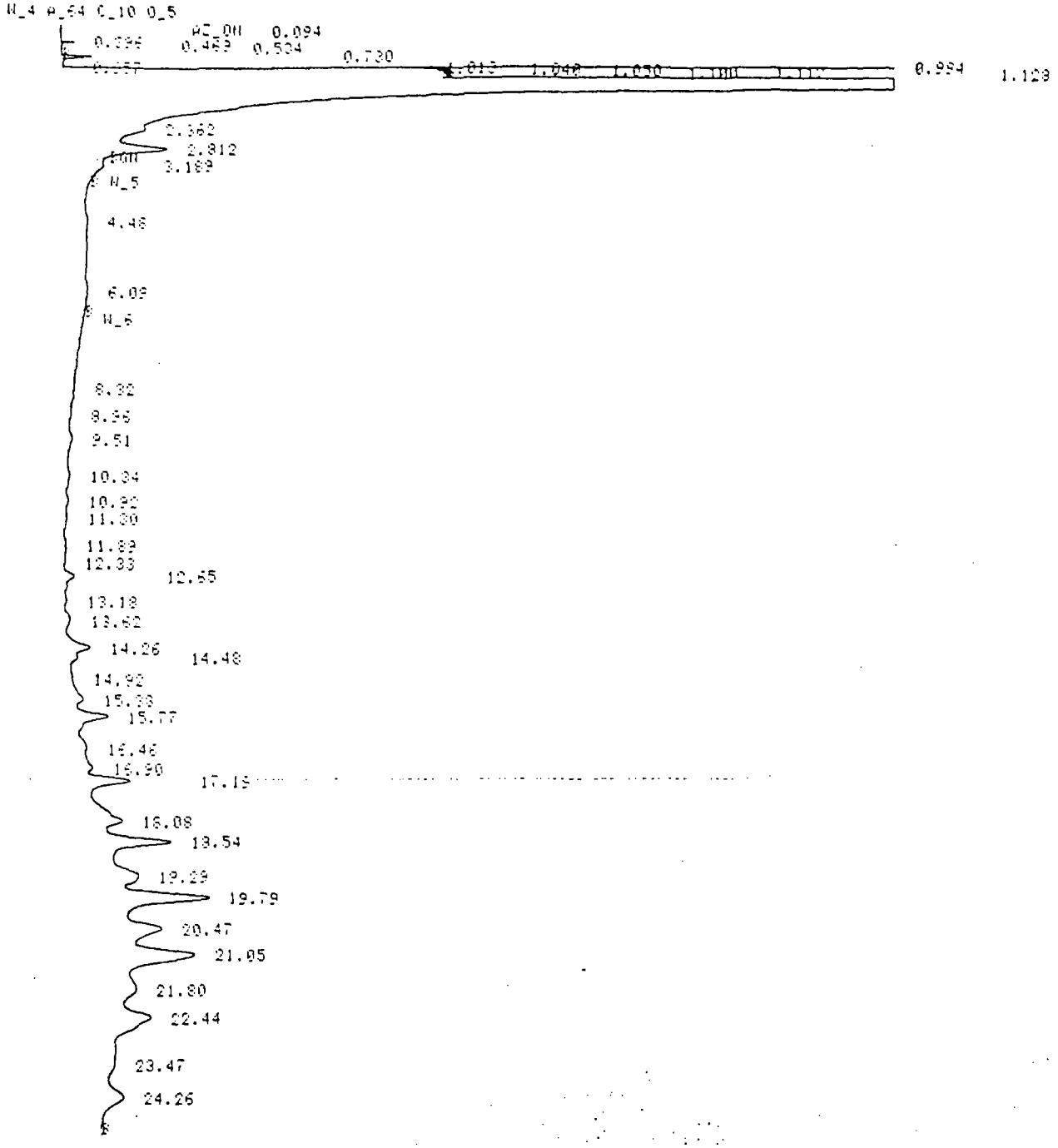
FILE 15 RUN 13 STARTED 18:37.9 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.262	1209	0.1356		0.0246	0.0597
5.14	902	0.1310	V	0.0184	0.0577
6.19	118586	5.2745	T	2.4155	2.3213
6.50	77993	4.7065	V	1.5886	2.0714
7.39	168912	3.6522		3.4406	1.6074
8.54	16697	0.7884	T	0.3401	0.3470
9.09	24507	1.3459	V	0.4992	0.5923
9.84	28437	1.6995	T	0.5792	0.7480
10.39	163070	7.5773	T	3.3216	3.3348
10.78	67065	3.6212	V	1.3661	1.5937
11.47	48163	2.5162	T	0.9810	1.1074
11.80	32042	2.2791	T	0.6527	1.0030
12.14	165758	13.8757	T	3.3762	6.1068
12.37	30875	2.6827	T	0.6289	1.6120
12.70	43140	3.3294	T	0.8787	1.4653
13.11	98233	6.0825	V	2.0009	2.6769
13.74	205821	14.7529	T	4.1924	6.4928
13.97	46574	5.3395	V	0.9487	2.3500
14.39	8639	0.7550	V	0.1760	0.3323
14.85	75606	4.7654	T	1.5400	2.0973
15.26	140289	12.3909	T	2.8576	5.4533
15.49	35173	3.7966	T	0.7164	1.6709
15.84	41230	2.8418	T	0.8398	1.2507
16.39	14052	1.4323	T	0.2862	0.6304
16.68	153990	12.5831	T	3.1364	5.5379
17.56	112159	5.3911	T	2.2846	2.3726
18.03	192152	12.8492	T	3.9139	5.6550
18.77	125568	5.0124	T	2.5577	2.2060
19.30	223234	13.5251	T	4.5471	5.9525
19.98	390808	14.1010	T	7.9604	6.2059
20.53	771655	23.3672	T	15.7179	10.2840
21.13	405550	11.5514	T	8.2607	5.0839
21.91	447100	11.7875	T	9.1070	5.1877
22.86	254423	5.4996	T	5.1824	2.4204
23.74	179811	4.7982		3.6626	2.1117

35 PEAKS : AREA REJECT 4909407 TOTAL AREA
35 PEAKS : HEIGHT REJECT 227.2180 TOTAL HEIGHT

3µl 804 0269 890:25

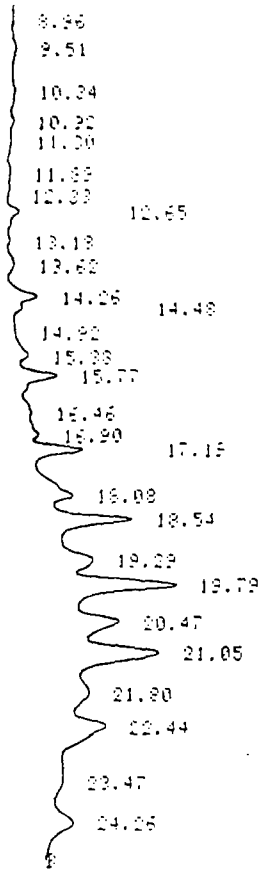
FILE 22 RUN 21 STARTED 22:47.2 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01



FILE 22 RUN 21 STARTED 22:47.2 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT

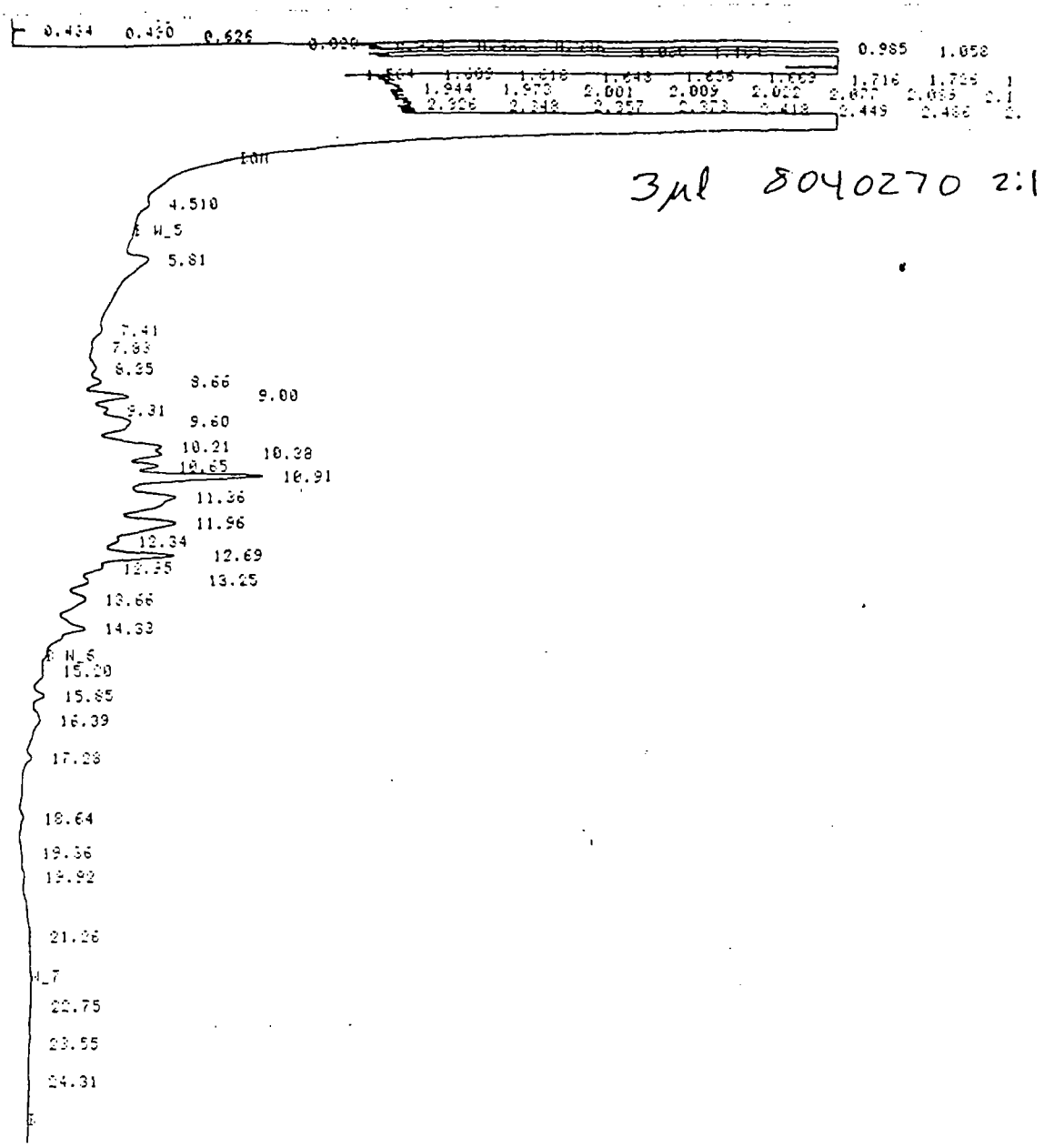
8040269 pg 2



FILE 22 RUN 21 STARTED 22:47.2 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
3.189	20641	2.1194		0.3880	0.5906
4.48	23327	1.7396	V	0.4387	0.4847
6.09	42271	1.5961		0.7946	0.4447
8.32	15385	0.5576	V	0.2988	0.1554
8.86	7198	0.7310	V	0.1353	0.2037
9.51	42268	2.5239	V	0.7945	0.7033
10.34	37958	1.8245	V	0.7135	0.5084
10.92	21729	1.9321	V	0.4085	0.5384
11.30	25372	1.3029	V	0.4769	0.3631
11.89	26579	1.6919	V	0.4996	0.4714
12.33	1945	0.2711	V	0.0366	0.0756
12.65	96570	7.5922	V	1.8153	2.1156
13.18	15405	1.5219	V	0.2896	0.4241
13.62	70772	4.2089	V	1.3303	1.1726
14.26	128827	12.4856	V	2.4216	3.4791
14.48	13795	2.2043	V	0.2593	0.6142
14.92	3131	0.5348	V	0.0589	0.1490
15.38	86883	6.1833	V	1.6332	1.7230
15.77	272891	22.4489	V	5.1297	6.2554
16.46	39309	2.3646	V	0.7389	0.6589
16.90	42727	4.1627	V	0.8032	1.1600
17.19	317331	29.6034	V	5.9651	8.2491
18.08	244025	14.6202	V	4.5871	4.0907
18.54	533464	45.5375	V	10.0279	12.6891
19.29	233846	13.8145	V	4.3958	3.8494
19.79	849726	61.2509	V	15.9728	17.0677
20.47	346603	22.9150	V	6.5153	6.3853
21.05	772728	45.8576	V	14.5255	12.7783
21.80	150753	7.4829	V	2.8338	2.0851
22.44	479335	22.0565	V	9.0104	6.1461
23.47	67693	2.7094	V	1.2723	0.7550
24.26	288825	12.9660		5.4292	3.6130

32 PEAKS > AREA REJECT 5319821 TOTAL AREA
32 PEAKS > HEIGHT REJECT 358.8702 TOTAL HEIGHT

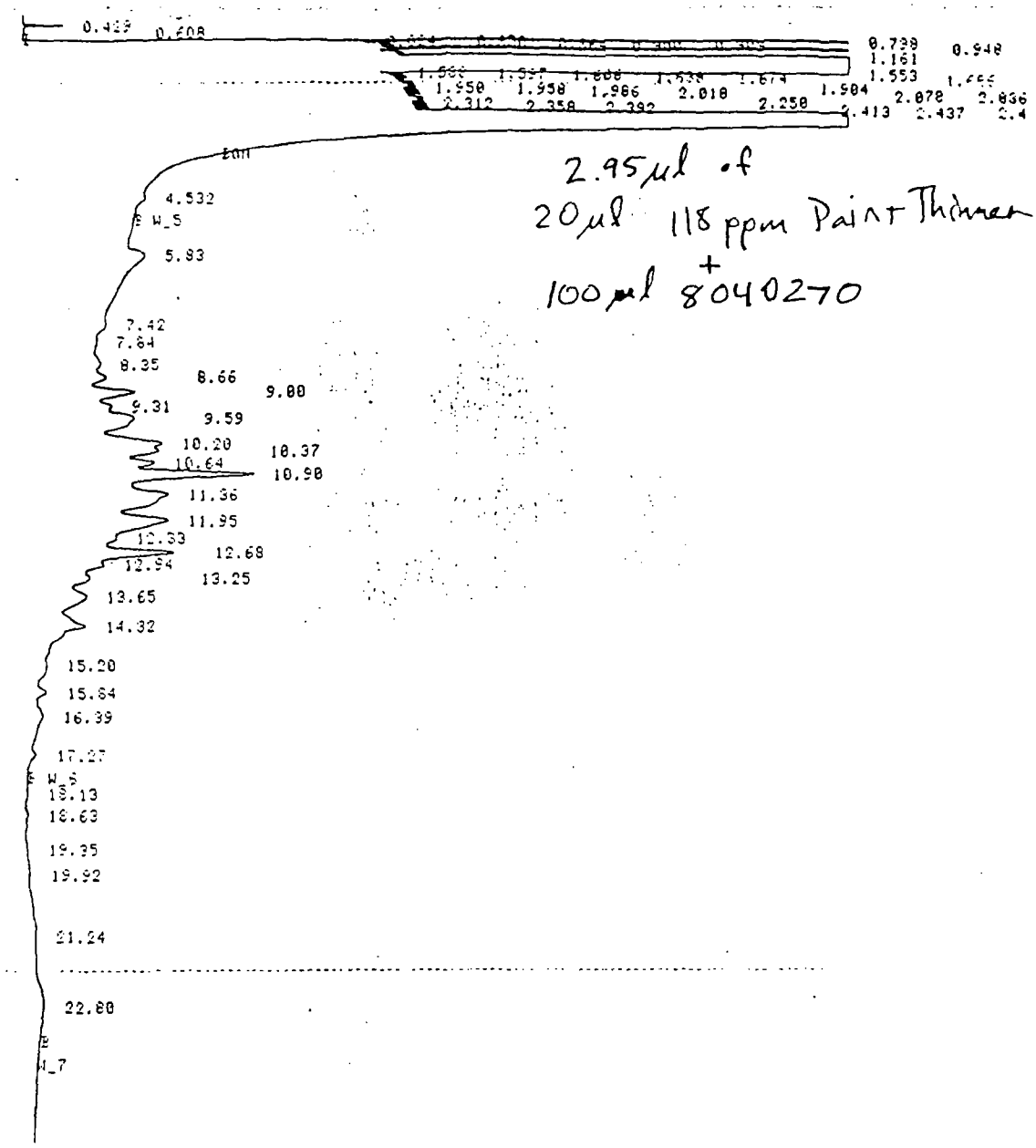


3µl 8040270 2:1

FILE 265 RUN 102 STARTED 01:53.0 80/01/18
METHOD 1 DIESELS LAST EDITED 05:17.1 80/01/07

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.510	6699			0.1151	
5.81	616569		U	10.5949	
7.41	42365		U	0.7280	
7.83	7616		U	0.1309	
8.35	53679		U	0.9224	
8.66	91505		U	1.5724	
9.00	297906		U	5.1192	
9.31	40779		U	0.7007	
9.60	423830		U	7.2829	
10.21	135822		U	2.3339	
10.38	82765		U	1.4222	
10.65	126474		U	2.1733	
10.91	856012		U	14.7094	
11.36	680990		U	11.7019	
11.96	620767		U	10.6671	
12.34	19062		U	0.3276	
12.69	494511		U	8.5044	
12.85	41142		U	0.7070	
13.25	81099		U	1.3936	
13.66	255887		U	4.3971	
14.33	377816			6.4923	
15.20	58672		U	1.0082	
15.85	82639		U	1.4205	
16.39	177227		U	3.0454	
17.28	15866		U	0.2727	
18.64	38170		U	0.6559	
19.36	7851		U	0.1349	
19.92	5502		U	0.0945	
21.26	50375		U	0.8656	
22.75	15960		U	0.2725	
23.55	3445		U	0.0592	
24.31	10147			0.1744	

TO PEAKS AREA REJECT 5819430 TOTAL AREA



FILE 258 RUN 95 STARTED 21:40.7 80/01/17
% METHOD 1 DIESELS LAST EDITED 05:17.1 80/01/07

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.532	16600			0.2964	
5.83	527333		U	9.4171	
7.42	48578		U	0.8675	
7.84	8144		U	0.1454	
8.35	54303		U	0.9697	
8.66	89479		U	1.5979	
9.00	299155		U	5.3423	
9.31	35351		U	0.6313	
9.59	396823		U	7.0865	
10.20	143347		U	2.5688	
10.37	69427		U	1.2398	
10.64	112890		U	2.0160	
10.90	795237		U	14.2013	
11.36	603746		U	10.8338	
11.95	564064		U	10.0731	
12.33	16495		U	0.2946	
12.68	489799		U	8.7468	
12.94	39364		U	0.7030	
13.25	76975		U	1.3746	
13.65	236652		U	4.2613	
14.32	356855		U	6.3727	
15.20	49474		U	0.8835	
15.84	70851		U	1.2653	
16.39	137552		U	2.4564	
17.27	30730			0.5489	
18.13	8323		U	0.1486	
18.63	31469		U	0.5620	
19.35	6083		U	0.1086	
19.92	8991		U	0.1606	
21.24	41461		U	0.7404	
22.80	225676			4.0301	

91 PEAKS , AREA REJECT 5599733 TOTAL AREA
0 PEAKS , HEIGHT REJECT 0.0000 TOTAL HEIGHT

4/4/5.12

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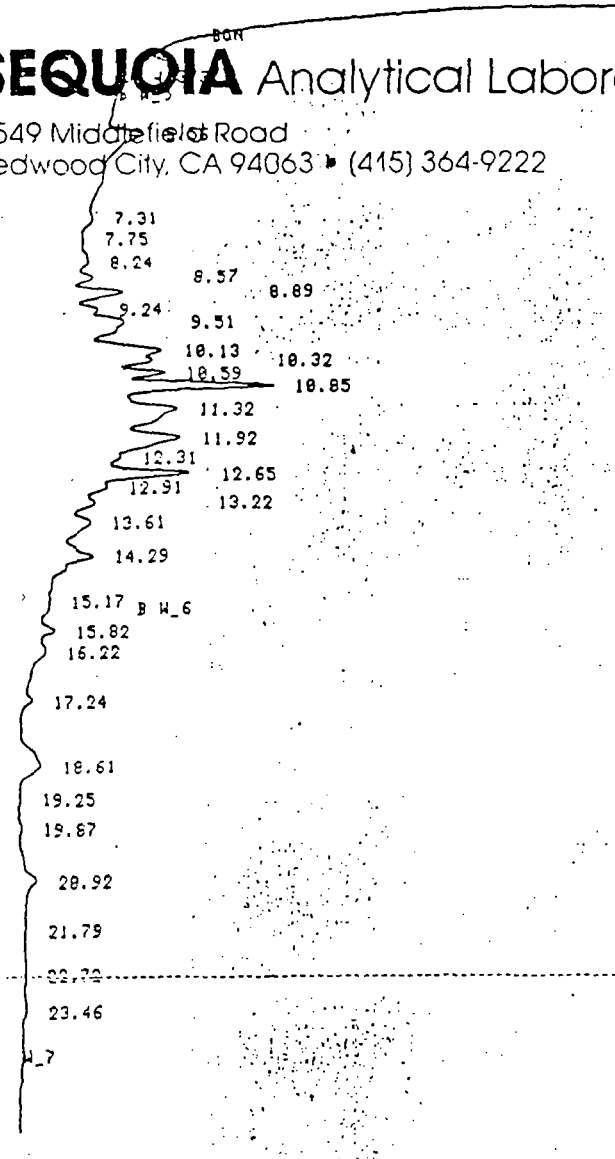
8040220 2:1 3ul

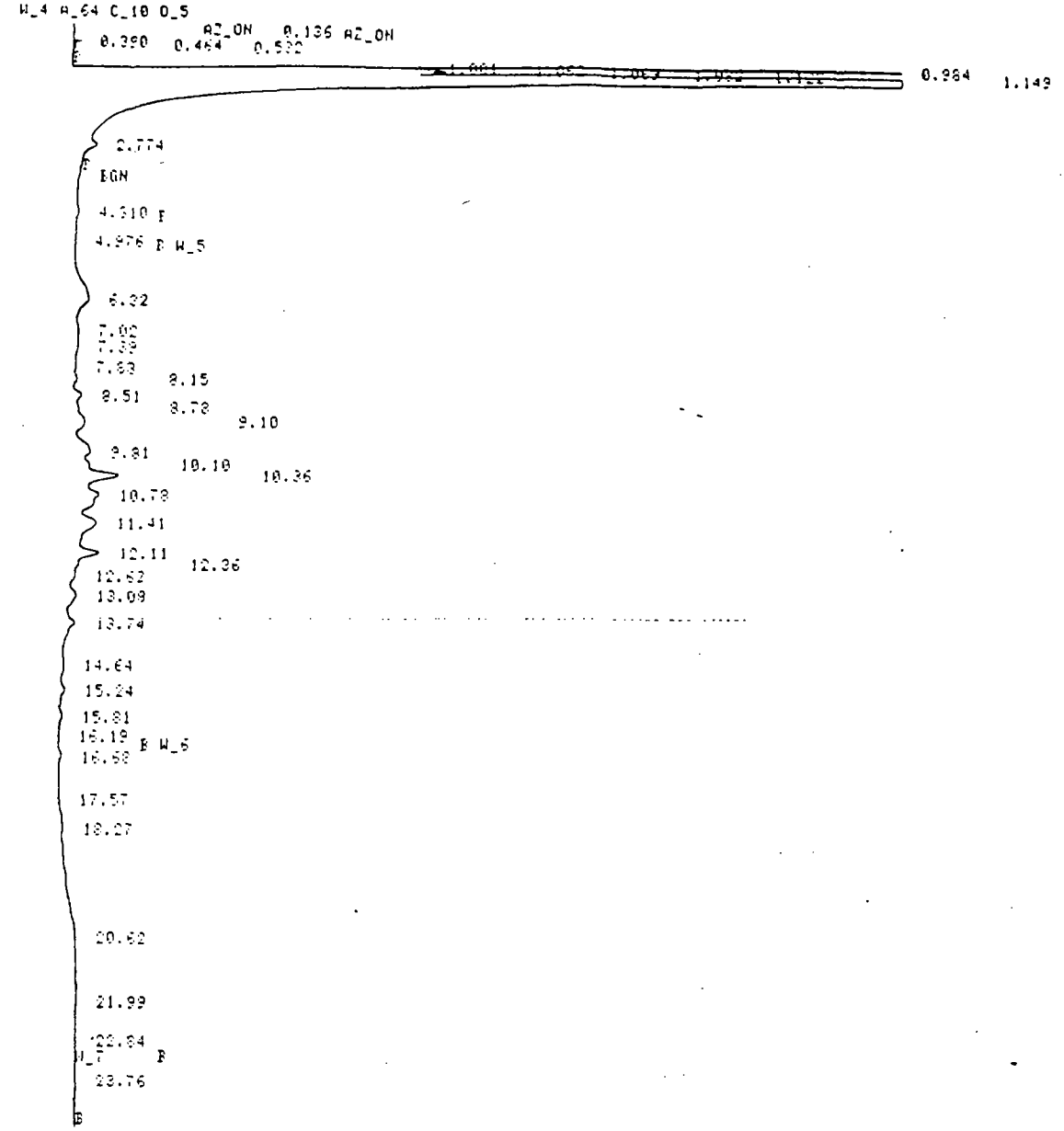


FILE 252 RUN 90 STARTED 18:29.0 80/01/17
% METHOD 1 DIESELS LAST EDITED 05:17.1 80/01/07

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.373	13227			0.2056	
5.56	713930		U	11.0965	
7.31	61280		U	0.9525	
7.75	6710		U	0.1043	
8.24	88642		U	1.3809	
8.57	98796		U	1.5356	
8.89	331304		U	5.1494	
9.24	45295		U	0.7040	
9.51	391516		U	6.0853	
10.13	222307		U	3.4553	
10.32	79074		U	1.2290	
10.59	187816		U	2.9192	
10.85	845794		U	13.1461	
11.32	602234		U	9.3605	
11.92	549039		U	8.5337	
12.31	14905		U	0.2317	
12.65	516119		U	8.0220	
12.91	39982		U	0.6214	
13.22	89958		U	1.3982	
13.61	222833		U	3.4635	
14.29	356083		U	5.5346	
15.17	6935			0.1078	
15.82	93211		U	1.4488	
16.22	69814		U	1.0851	
17.24	45692		U	0.7102	
18.61	425085		U	6.6070	
19.25	7225		U	0.1123	
19.87	22653		U	0.3521	
20.92	214635		U	3.3361	
21.79	2301		U	0.0358	
22.72	28255		U	0.4392	
23.46	40965		U	0.6367	

32 PEAKS > AREA REJECT 6433811 TOTAL AREA
0 PEAKS > HEIGHT REJECT 0.0000 TOTAL HEIGHT

FILE 11 RUN 9 STARTED 16:13.4 80/01/01 1λ*8040271 ~~(10:1)~~.
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

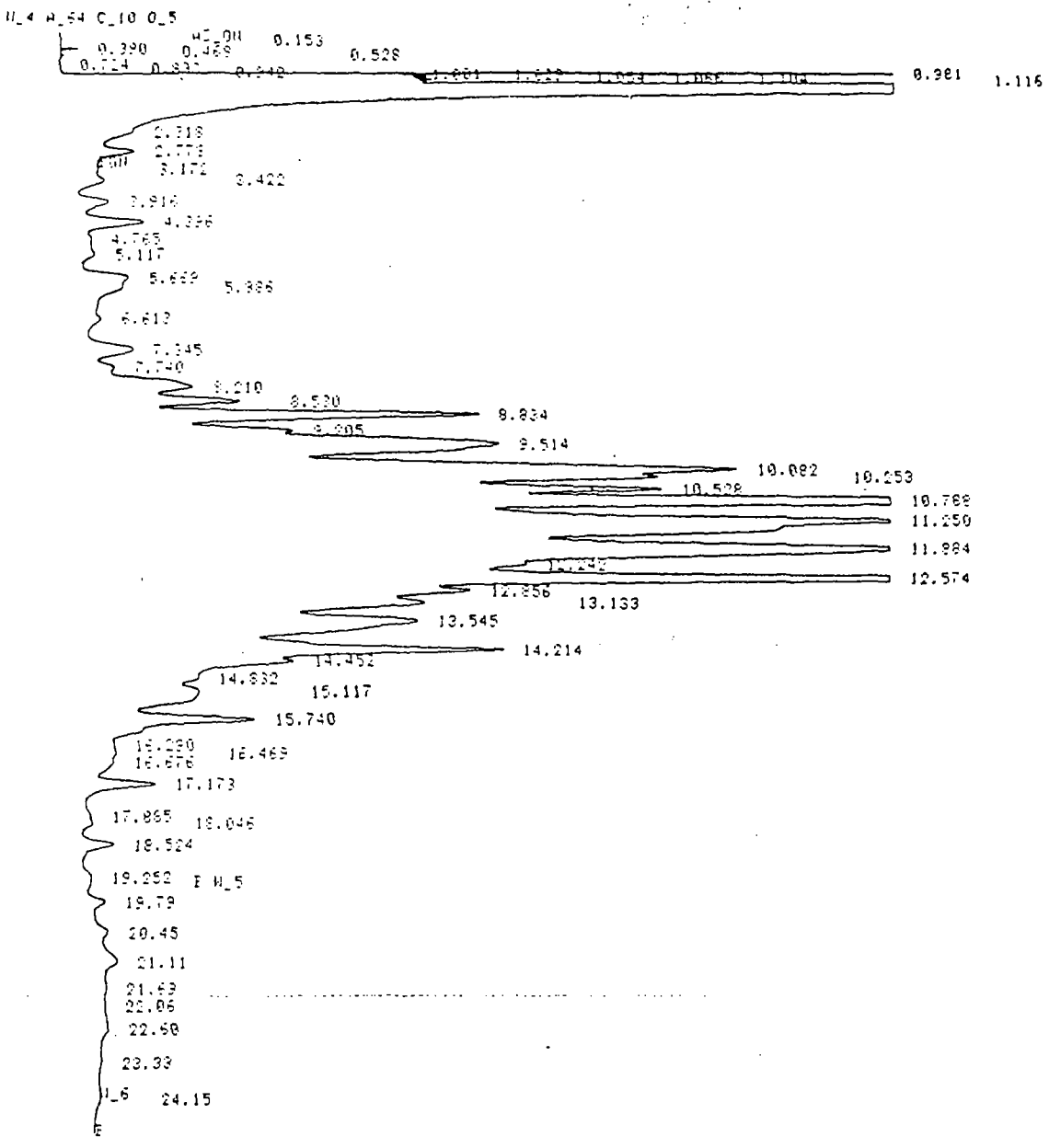


FILE 11 RUN 9 STARTED 16:13.4 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.310	11871	1.3236		0.2162	0.5180
4.976	1299	0.2049		0.0236	0.0802
6.32	526628	12.0162	T	9.5911	4.7023
7.02	114125	5.2519	T	2.0785	2.0552
7.39	136483	5.4444	T	2.4857	2.1305
7.83	74893	4.2645	T	1.3640	1.6688
8.15	77730	4.9649	T	1.4156	1.9429
8.51	122904	8.8292	T	2.2384	3.4551
8.78	66744	6.5719	T	1.2156	2.5718
9.10	294608	11.6234	T	5.3655	4.5485
9.81	426729	16.5092	T	7.7717	6.4605
10.10	177628	16.0593	T	3.2350	6.2844
10.36	645512	38.4009	T	11.7563	15.0273
10.78	676886	24.2751	T	12.3276	9.4995
11.41	672219	22.2394	T	12.2426	8.7029
12.11	392850	25.0740	T	7.1547	9.8121
12.36	134356	10.6177	T	2.4469	4.1550
12.62	133515	8.1979	T	2.4316	3.2080
13.09	235593	9.5869	T	4.2907	3.7516
13.74	252845	9.4034	T	4.6049	3.6798
14.64	43806	1.7397	V	0.7978	0.6808
15.24	40642	3.2328	V	0.7402	1.2651
15.81	29340	2.3050	T	0.5344	0.9020
16.19	2791	0.2117		0.0509	0.0828
16.68	24960	2.0146	V	0.4546	0.7884
17.57	5220	0.2991	V	0.0951	0.1171
18.27	25882	1.3338	V	0.4714	0.5220
20.62	128564	2.7635	T	2.3414	1.0814
21.99	9398	0.3706	V	0.1712	0.1450

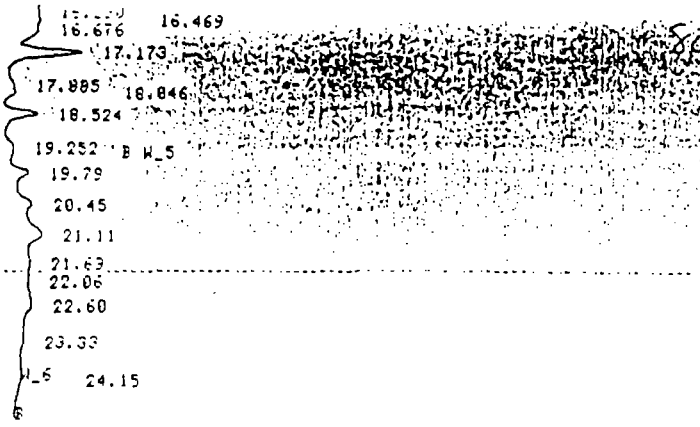
2.95 µl 8040271 1:1

FILE 11 RUN 10 STARTED 15:53.6 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01



FILE 11 RUN 10 STARTED 15:53.6 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
3.172	8158	1.3699	V	0.0205	0.0409
3.422	116505	10.1936	V	0.2930	0.3044
3.916	255496	20.3201	V	0.6426	0.6068
4.396	501664	42.2347	V	1.2617	1.2611
4.765	10845	1.5375	V	0.0273	0.0459
5.117	82574	6.4701	V	0.2077	0.1932
5.669	138812	14.1956	V	0.3491	0.4239
5.886		2.4032	V		0.0718
6.613	66226	5.5442	V	0.1666	0.1656
7.345	461504	29.0012	V	1.1607	0.8660
7.740	54077	6.6269	V	0.1360	0.1979
8.210	560013	35.3938	V	1.4084	1.0578
8.530	544987	59.9207	V	1.3706	1.7893
8.834	2353055	223.6363	V	5.9178	6.6779
9.205	161339	23.9307	V	0.4058	0.7146
9.514	2844134	147.1522	V	7.1530	4.3942
10.082	1389807	139.0566	V	3.4953	4.1523
10.253	304229	46.2113	V	0.7[illegible]	[illegible]
10.528	775863	[illegible]	[illegible]	[illegible]	[illegible]
10.788	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



804037 1

Pg 2

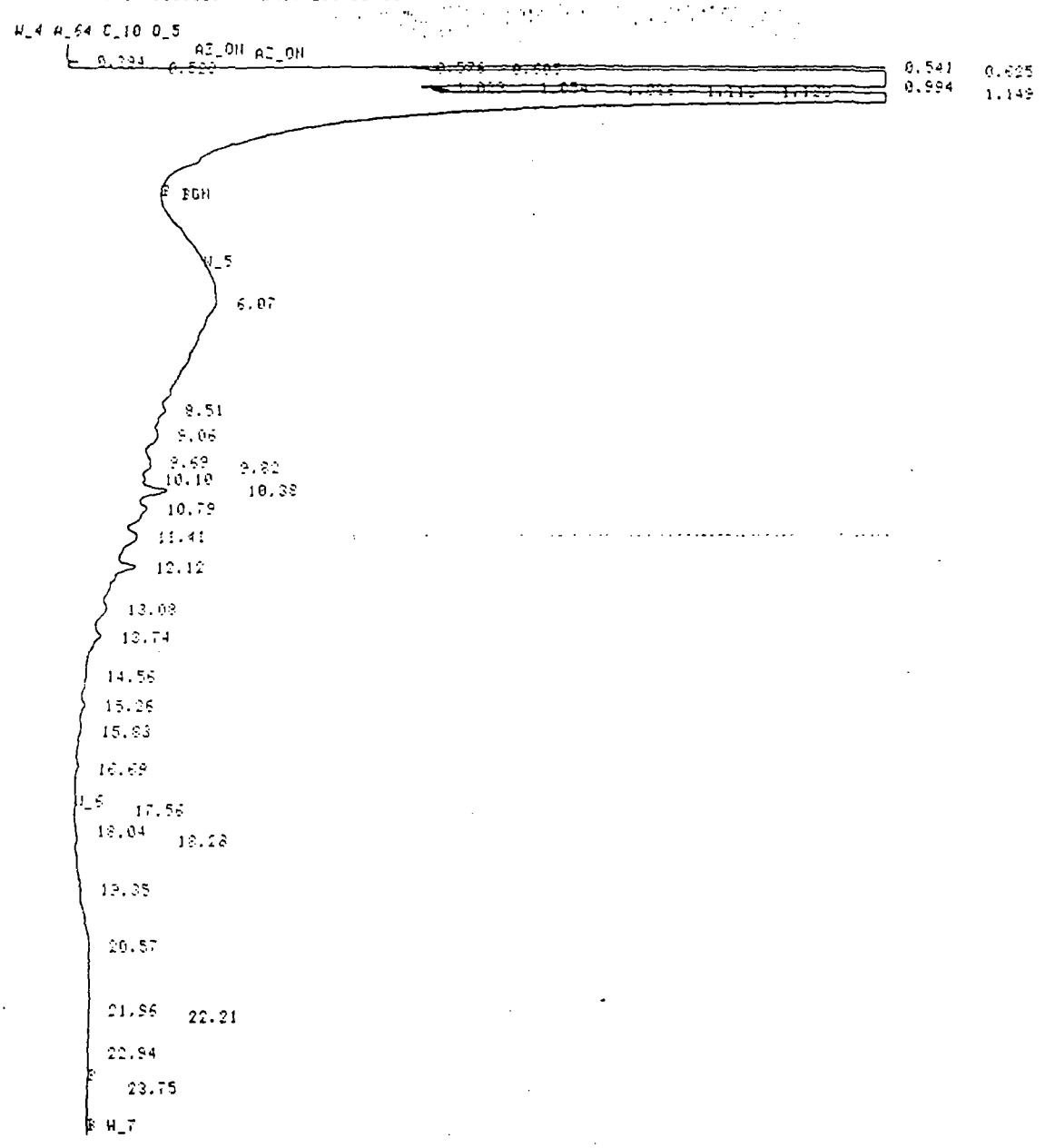
FILE 11 RUN 10 STARTED 15:53.6 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	DC	AREA PERCENT	HEIGHT PERCENT
3.172	8156	1.3699	V	0.0205	0.0409
3.422	116506	10.1996	V	0.2930	0.3044
3.916	255486	20.3301	V	0.6426	0.6068
4.396	501664	42.2347	V	1.2617	1.2611
4.765	10645	1.5375	V	0.0273	0.0459
5.117	82574	6.4701	V	0.2077	0.1932
5.669	138812	14.1956	V	0.3491	0.4239
5.885		2.4032	V		0.0718
6.613	66226	5.5442	V	0.1666	0.1656
7.345	461504	29.8012	V	1.1607	0.8660
7.740	54077	6.6269	V	0.1360	0.1979
8.210	560013	35.3988	V	1.4084	1.0570
8.530	544997	58.9207	V	1.3706	1.7593
8.934	2353055	223.6383	V	5.9178	6.6779
9.205	161328	23.9307	V	0.4058	0.7146
9.514	2844194	147.1582	V	7.1530	4.3942
10.082	1389807	139.0568	V	3.4953	4.1528
10.253	306230	46.2713	V	0.7702	1.3805
10.528	778863	112.0093	V	1.9588	3.3446
10.783	7003764	778.9370	V	17.6141	23.2594
11.250	5621795	232.8157	V	14.1385	6.7436
11.884	4402760	269.0107	V	11.0727	8.0329
12.242	45763	8.6833	V	0.1151	0.2593
12.574	4563309	476.3154	V	11.4915	14.2227
12.956	237522	34.2125	V	0.5974	1.0216
13.133	507209	46.6315	V	1.2756	1.3924
13.545	1807497	95.8311	V	4.5457	2.8616
14.214	1783637	166.5723	V	4.4865	4.9739
14.452	10376	19.6268	V	0.0261	0.5861
14.832	27987	4.4366	V	0.0704	0.1325
15.117	564664	20.9177	V	1.4201	0.6246
15.740	1135512	91.4771	V	2.8557	2.7315
16.290	5663	0.9975	V	0.0142	0.0299
16.469	12784	1.7973	V	0.0322	0.0537
16.676	52312	2.8826	V	0.1316	0.0861
17.173	486442	45.2592	V	1.2234	1.3515
17.885	2072	0.9926	V	0.0052	0.0297
18.046	29490	3.6166	V	0.0742	0.1080
18.524	286962	23.4078	V	0.7217	0.6990
19.252	27927	2.5839		0.0700	0.0772
19.79	124142	10.9154	V	0.3122	0.3259
20.45	70737	6.0263	V	0.1779	0.1799
21.11	189720	9.9242	V	0.4772	0.2963
21.69	21334	1.3978	V	0.0537	0.0414
22.06	1174	0.1459	V	0.0030	0.0044
22.60	89371	4.1848	V	0.2248	0.1250
23.33	9882	0.6065	V	0.0249	0.0182
24.15		0.5737			0.0173

46 PEAKS > AREA REJECT 39762053 TOTAL AREA
48 PEAKS > HEIGHT REJECT 3348.9187 TOTAL HEIGHT

1λ # 8040272 ~~(10:1)~~ 1:10

FILE 12 RUN 11 STARTED 17:21.3 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

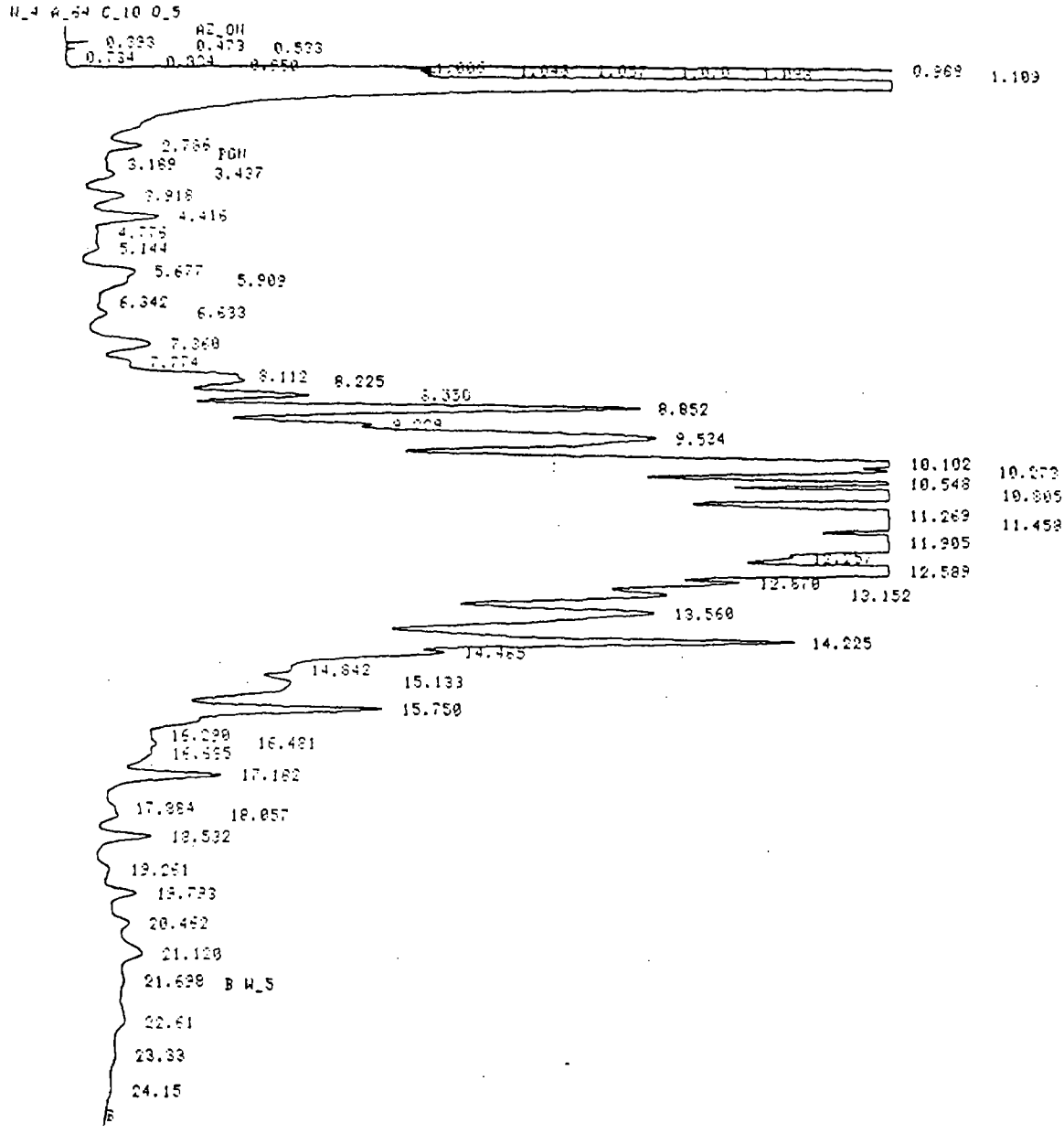


FILE 13 RUN 11 STARTED 17:21.3 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
6.07	2291850	19.7867	T	51.4581	13.7026
8.51	112241	5.9193	T	2.5201	4.0992
9.06	114579	5.5451	V	2.5726	3.8401
9.69	78832	6.6666	T	1.7700	4.6168
9.82	74950	7.3193	T	1.6828	5.0687
10.10	62942	6.0857	T	1.4132	4.2144
10.38	340526	24.7221	T	7.6457	17.1205
10.79	315222	13.4712	T	7.0776	9.3291
11.41	290517	12.0710	T	6.5229	8.3594
12.12	292469	17.1039	T	6.5667	11.8447
13.08	83612	4.7345	V	1.8773	3.2787
13.74	78212	5.6880	V	1.7561	3.9391
14.56	17629	0.4035	V	0.3958	0.2795
15.26	36654	2.9259	V	0.8230	2.0262
15.83	25192	1.7922	V	0.5656	1.2411
16.69	23148	1.9393	V	0.5197	1.3430
17.56	2379	0.2800	V	0.0534	0.1939
18.04	10715	1.0700	T	0.2406	0.7410
18.28	13100	1.1186	V	0.2941	0.7747
19.35	12729	0.9600	T	0.2859	0.6648
20.57	150065	3.1744	T	3.3694	2.1983
21.96	8439	0.5040	T	0.1895	0.3491
22.21	4216	0.4809	V	0.0947	0.3330
22.94	7574	0.3673		0.1701	0.2543
23.75	6032	0.2711		0.1354	0.1878

8040272 3µl 1:1

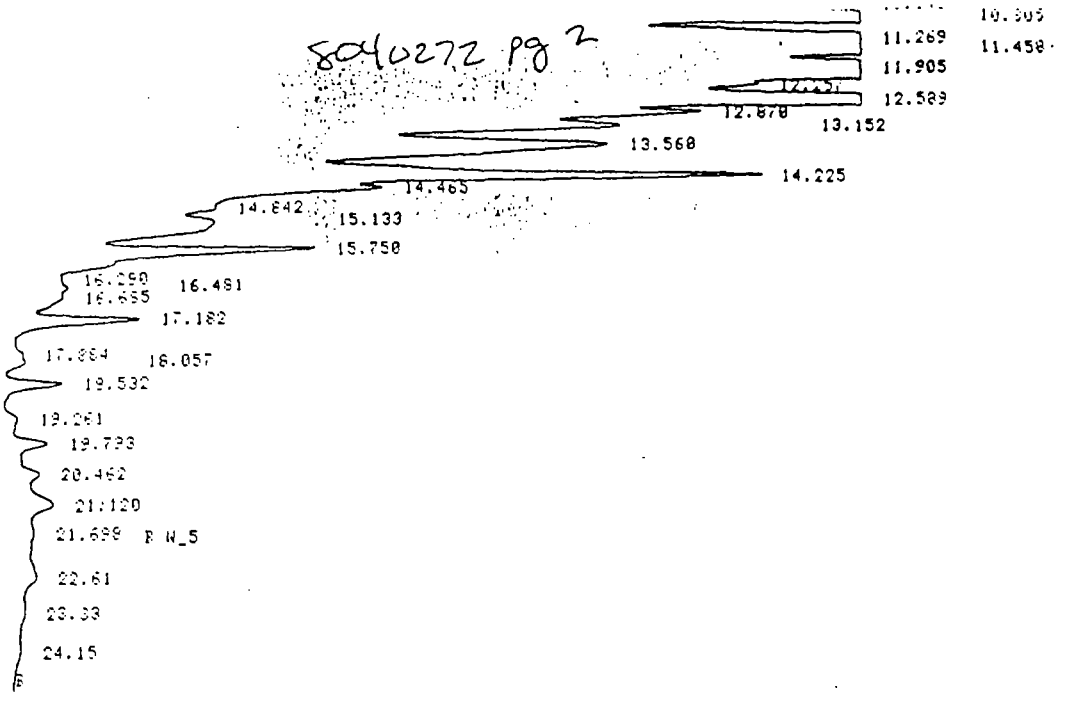
FILE 12 RUN 11 STARTED 16:27.0 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01



FILE 12 RUN 11 STARTED 16:27.0 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
3.189	9088	1.5373	V	0.0169	0.0314
3.437	137477	11.9121	V	0.2560	0.2425
3.918	322397	25.8223	V	0.6021	0.5278
4.416	571129	47.6985	V	1.0633	0.9749
4.776	15993	1.9882	V	0.0298	0.0406
5.144	53334	5.6430	V	0.0993	0.1154
5.677	194424	18.8585	V	0.3620	0.3855
5.909		3.5106	V		0.0718
6.342	4309	0.4881	V	0.0080	0.0100
6.633	100036	8.4153	V	0.1863	0.1720
7.360	599497	37.4666	V	1.1162	0.7658
7.774	46868	6.0035	V	0.0873	0.1227
8.112		9.6031	V		0.1963
8.225	121999	16.6270	V	0.2271	0.3399
8.550	757844	84.3424	V	1.4110	1.7239
8.852	3299831	313.7202	V	6.1437	6.4124
9.229	219274	32.2774	V	0.4083	0.6597
9.534	3820555	199.2319	V	7.1132	4.0722
10.102	2011474	199.2291	V	3.7450	4.0741
10.273	417119	63.3644	V	0.7766	1.2952
10.548	1151214	166.5811	V	2.1434	3.4049
10.805	10199316	1143.1344	V	18.9894	23.3654
11.269	2306797	258.6067	V	4.2948	5.2859
11.458	450592	26.3870	V	0.8389	0.5399
11.905	6776626	407.1012	V	12.6169	8.3210
12.257	58426	9.8462	V	0.0989	0.2013
[illegible]	7642158	796.5303	V	14.2284	16.2817
[illegible]	421576	59.7370	V	0.7849	1.2210
[illegible]	863662	81.4202	V	1.6456	1.6642
[illegible]	[illegible]	157.7490	V	[illegible]	[illegible]

8040272 pg 2



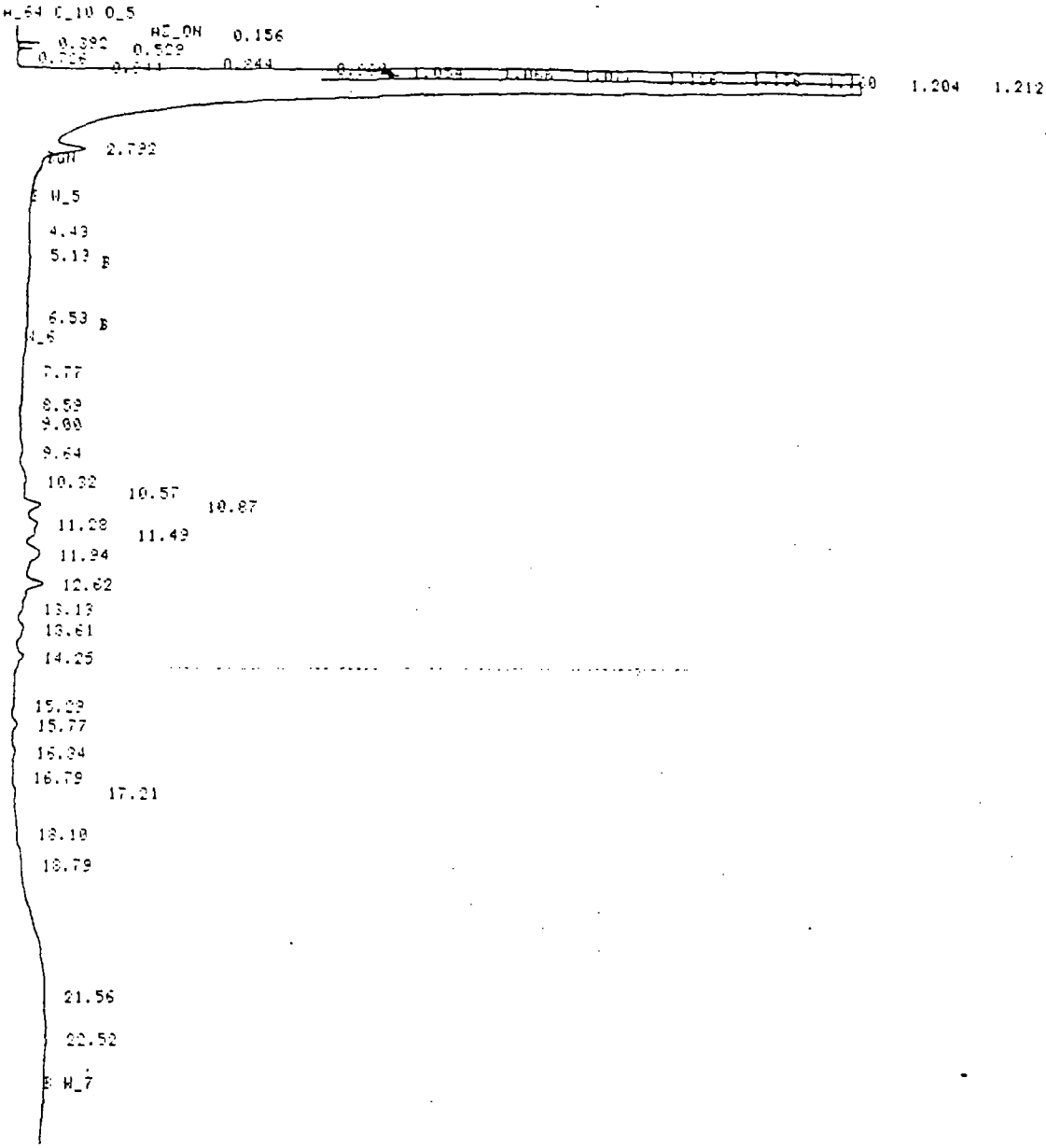
FILE 12 RUN 11 STARTED 16:27.0 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
3.189	9088	1.5373	V	0.0169	0.0314
3.417	107477	11.0131	V	0.2000	0.2435
3.918	323097	25.8223	V	0.6021	0.5278
4.416	571128	47.6985	V	1.0633	0.9749
4.776	15993	1.9982	V	0.0298	0.0406
5.144	53334	5.6430	V	0.0993	0.1154
5.677	194424	18.8595	V	0.3620	0.3855
5.909		3.5106	V		0.0718
6.342	4309	0.4861	V	0.0080	0.0100
6.693	100036	8.4153	V	0.1863	0.1720
7.360	599497	37.4666	V	1.1162	0.7658
7.774	46868	6.0035	V	0.0873	0.1227
8.112		9.6031	V		0.1963
8.225	121999	16.6270	V	0.2271	0.3399
8.550	757844	84.2424	V	1.4110	1.7229
8.952	3299931	313.7202	V	6.1437	6.4124
9.009	219074	32.2774	V	0.4063	0.6597
9.534	3820555	199.2319	V	7.1132	4.0722
10.102	2011474	199.3221	V	3.7450	4.0741
10.273	417119	63.3844	V	0.7766	1.2952
10.548	1151214	166.5811	V	2.1434	3.4049
10.905	10199316	1143.1344	V	18.9894	23.3654
11.269	2306767	250.6067	V	4.2948	5.2659
11.458	450592	26.3670	V	0.8389	0.5389
11.905	6776628	407.1012	V	12.6169	8.3210
12.257	50426	9.8462	V	0.0939	0.2013
12.589	7642150	798.5303	V	14.2284	16.3217
12.870	421576	59.7378	V	0.7849	1.2210
13.152	883862	81.4202	V	1.6456	1.6642
13.560	2917399	157.7490	V	5.4317	3.2243
14.225	2983821	277.8125	V	5.5554	5.6784
14.465	28857	33.6291	V	0.0537	0.6874
14.842	44710	7.0052	V	0.0832	0.1432
15.133	910153	34.4147	V	1.6946	0.7034
15.750	1854671	149.6216	V	3.4531	3.0582
16.290	2064	0.5028	V	0.0038	0.0103
16.481	32324	4.4216	V	0.0602	0.0904
16.685	79232	4.3084	V	0.1475	0.0881
17.182	792707	74.7003	V	1.4759	1.5269
17.884	4062	1.6995	V	0.0076	0.0347
18.057	50570	5.9266	V	0.0942	0.1211
18.532	443160	38.6781	V	0.8344	0.7906
19.261	99529	6.3051	V	0.1853	0.1289
19.793	259935	21.2223	V	0.4840	0.4339
20.462	111235	9.3072	V	0.2071	0.1902
21.120	300209	15.6984	V	0.5589	0.3207
21.698	14662	1.2864		0.0273	0.0263
22.61	133943	6.0532	V	0.2494	0.1237
23.33	22754	1.3115	V	0.0424	0.0268
24.15	33368	1.6257		0.0621	0.0332

48 PEAKS > AREA REJECT 53710564 TOTAL AREA
50 PEAKS > HEIGHT REJECT 4892.4309 TOTAL HEIGHT

2.95 µl 8040273 1:1

FILE 13 RUN 12 STARTED 16:58.9 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01



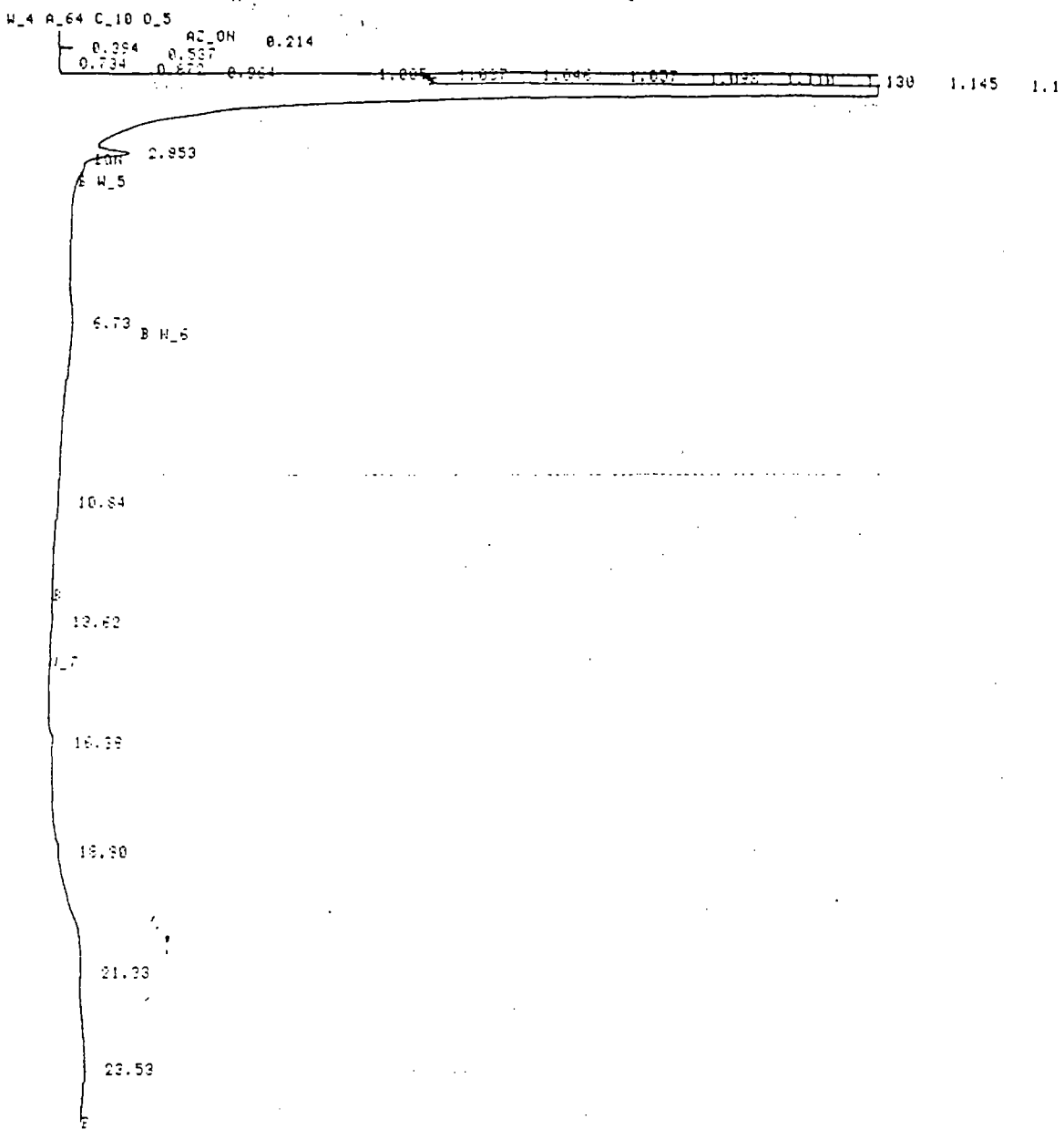
FILE 13 RUN 12 STARTED 16:58.9 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.43	1047	0.1001	V	0.0729	0.1350
5.13	2845	0.2069		0.1980	0.2790
6.53	2222	0.1517		0.1547	0.2047
7.77	5405	0.2199	V	0.3763	0.2966
8.59	4165	0.5162	V	0.2900	0.6961
9.00	6409	0.6784	V	0.4462	0.9150
9.64	42876	2.2104	V	2.9851	2.9812
10.32	46478	2.5476	V	3.2359	3.4359
10.57	10407	1.4640	V	0.7246	1.9745
10.87	110802	10.9772	V	7.7142	14.8049
11.28	36601	4.2954	V	2.5482	5.7932
11.49	16935	1.9484	V	1.1790	2.6279
11.94	171317	8.8987	V	11.9274	12.0017
12.62	157059	13.4837	V	10.9347	18.1854
13.13	13117	1.1182	V	0.9132	1.5091
13.61	83470	4.5164	V	5.8113	6.0913
14.25	100135	6.1161	V	6.9715	8.2487
15.29	23833	1.2049	V	1.6593	1.6251
15.77	42690	3.4558	V	2.9722	4.6608
16.34	27406	2.2307	V	1.9081	3.0112
16.79	2949	0.2186	V	0.2053	0.2948
17.21	19601	1.8949	V	1.3647	2.5556
18.10	16969	0.5900	V	1.1813	0.7958
18.79	26741	1.1039	H	1.8619	1.4936
21.56	399621	2.2769	V	27.4045	3.0709
22.52	71238	1.7187		4.9597	2.3180

26 PEAKS : AREA REJECT 1436334 TOTAL AREA
26 PEAKS : HEIGHT REJECT 74.1457 TOTAL HEIGHT

3ul 80V0274 1:1

FILE 14 RUN 13 STARTED 17:39.5 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01



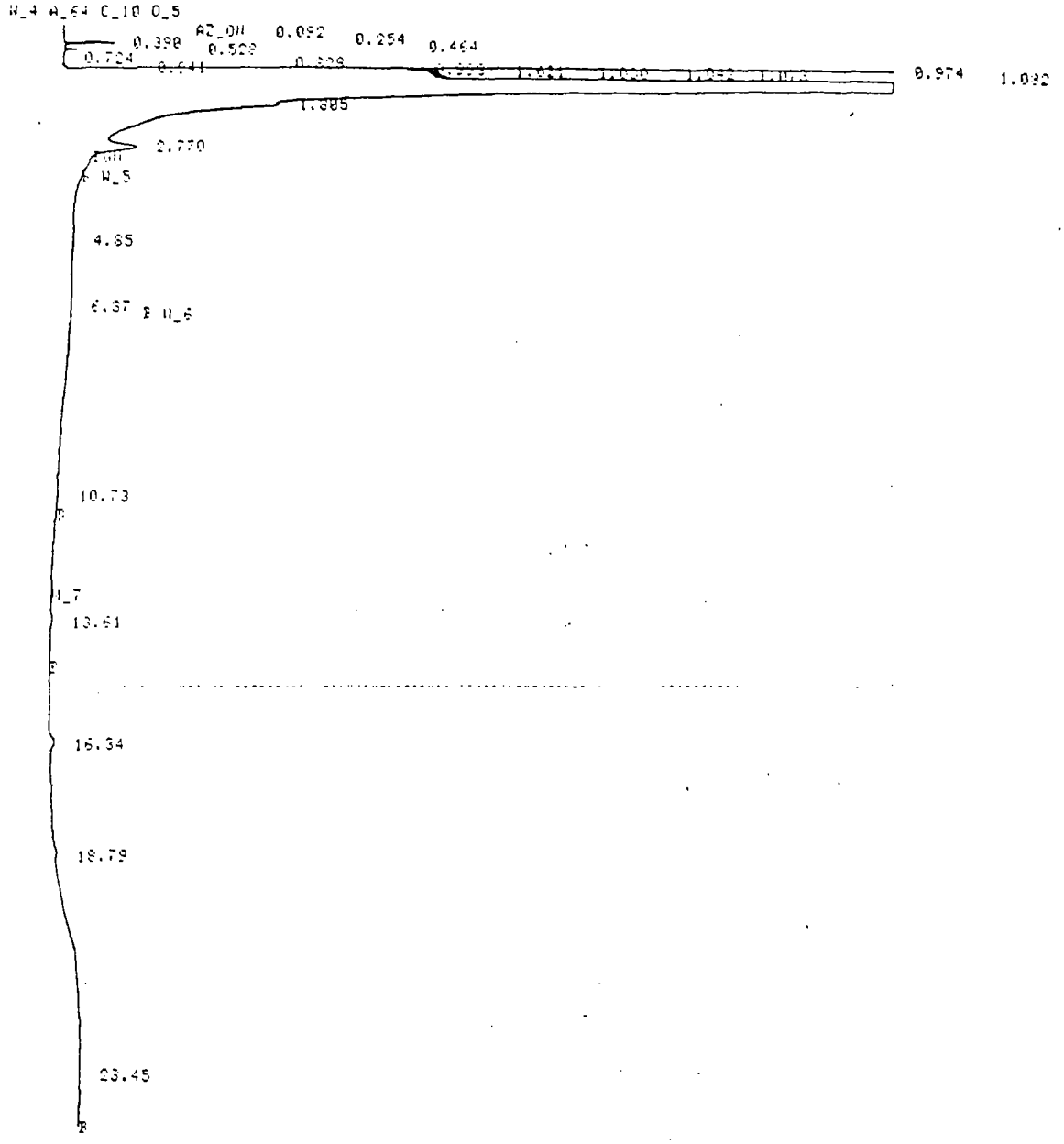
FILE 14 RUN 13 STARTED 17:39.5 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
6.73	39255	1.0877		7.1266	10.6771
10.84		0.4509			4.4259
13.62	~~22434~~	1.2313	V	4.0739	12.0862
16.39		2.0632	V		20.2524
18.90		0.9946	V		9.7632
21.33	452600	4.0390	V	82.1907	39.6472
23.53	36362	0.3207		6.6068	3.1480

4 PEAKS > AREA REJECT 550670 TOTAL AREA
7 PEAKS > HEIGHT REJECT 10.1873 TOTAL HEIGHT

8040275 3µl 1:1

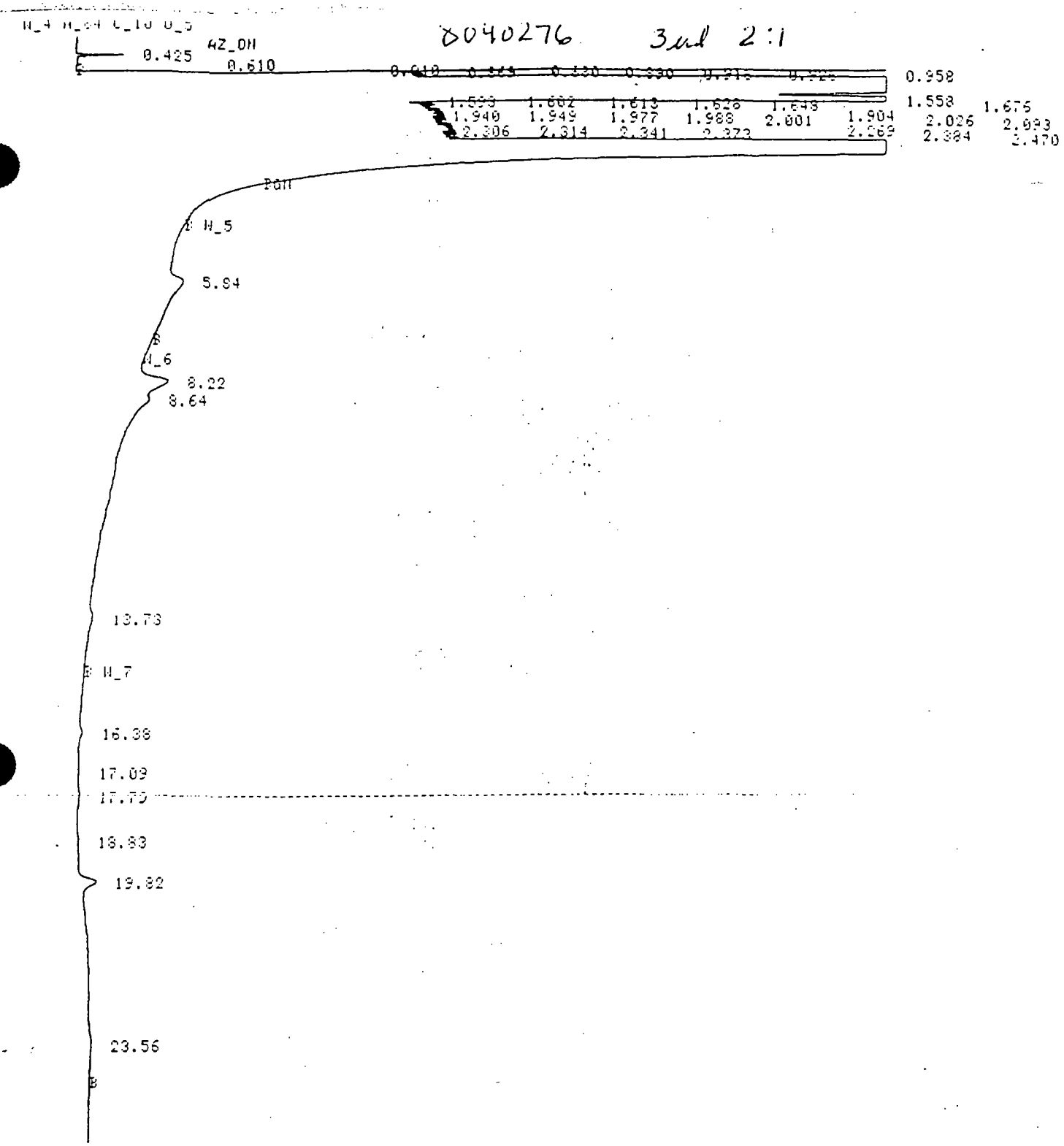
FILE 17 RUN 16 STARTED 19:41.0 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01



FILE 17 RUN 16 STARTED 19:41.0 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.85	1531	0.1057	V	0.0803	0.8646
6.37	3690	0.2853		0.1936	1.6799
10.73	11885	0.6555		0.6237	5.3642
13.61	22122	1.6471		1.1608	13.4765
16.34	31537	3.1238	V	1.6549	25.5625
18.79		1.1332	V		9.2732
23.45	1834920	5.3497		96.2867	43.7771

6 PEAKS > AREA REJECT 1905684 TOTAL AREA
7 PEAKS > HEIGHT REJECT 12.2203 TOTAL HEIGHT



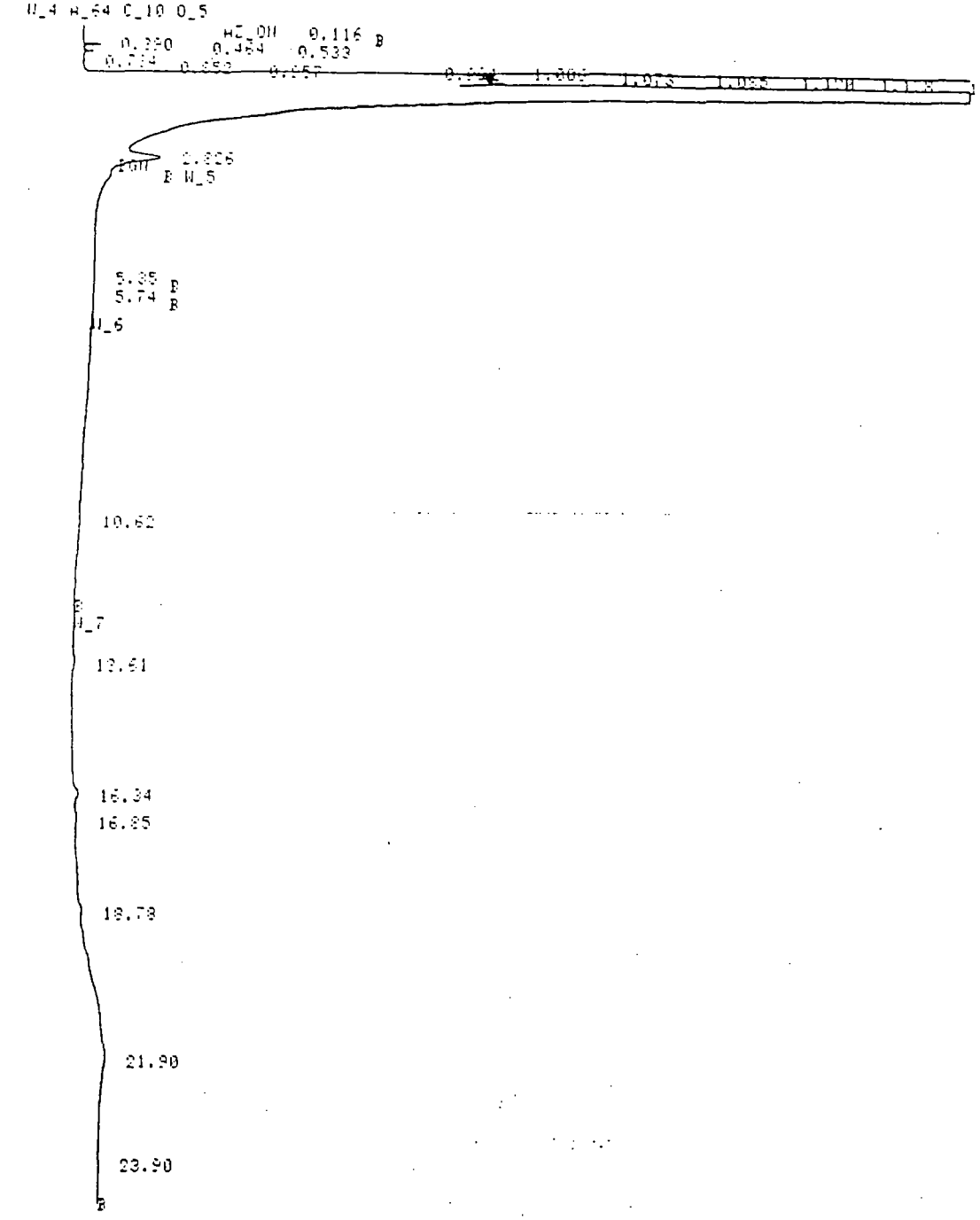
FILE 254 RUN 92 STARTED 19:47.8 80/01/17
% METHOD 1 DIESELS LAST EDITED 05:17.1 80/01/07

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
5.84	479609			31.8931	
8.22	278798		U	18.5396	
13.73	96276			6.4022	
16.38	30874		U	2.0531	
17.09	9274		U	0.6167	
17.79	21287		U	1.4155	
18.83	8903		U	0.5920	
19.82	121535		U	8.0819	
23.56	457245			30.4059	

9 PEAKS > AREA REJECT 1503801 TOTAL AREA
0 PEAKS > HEIGHT REJECT 0.0000 TOTAL HEIGHT

3µl 8040277 1:1

FILE 23 RUN 22 STARTED 23:24.0 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01



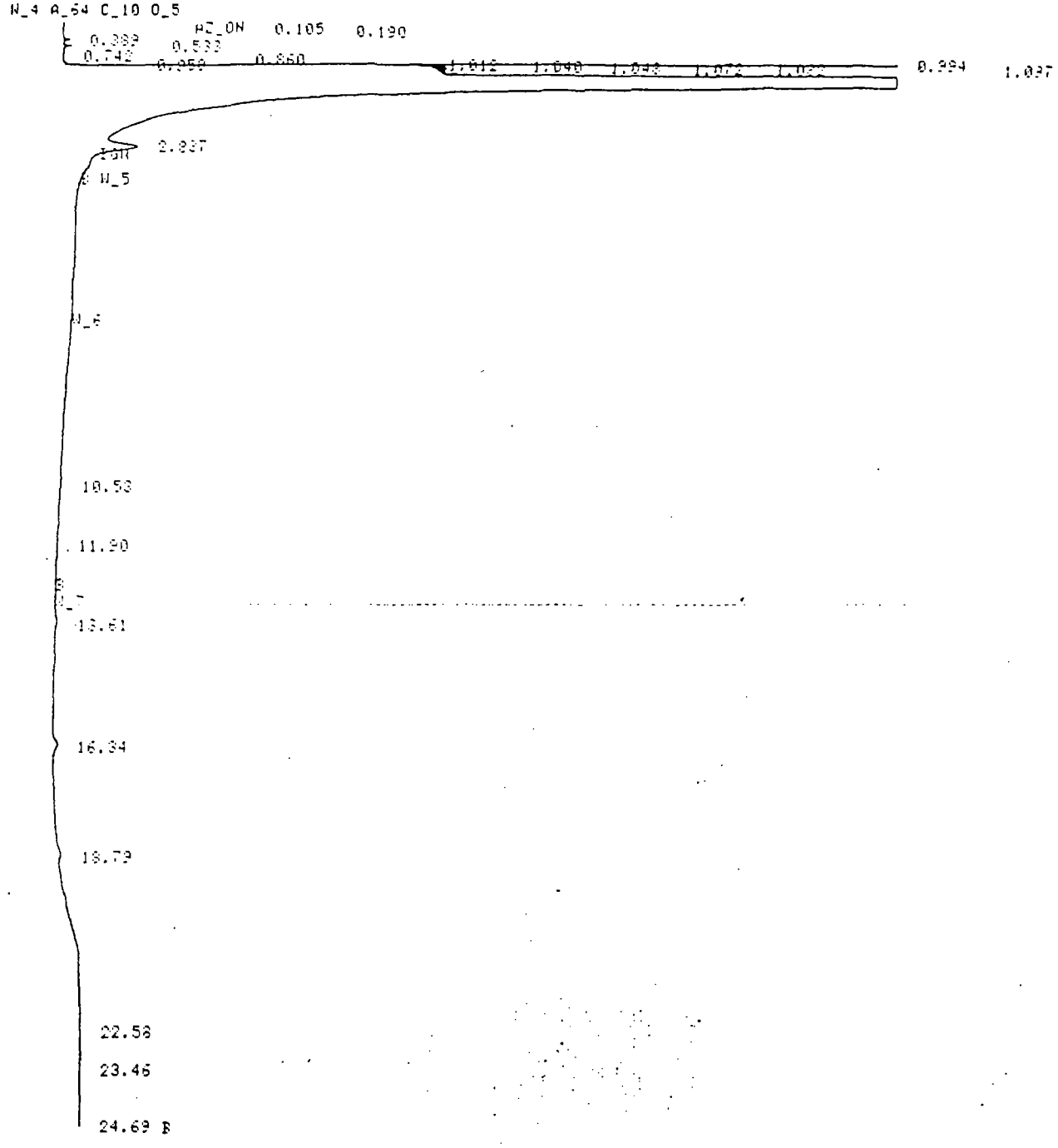
FILE 23 RUN 22 STARTED 23:24.0 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
5.85	4692	0.2369		0.4102	1.4945
5.74	1161	0.0960		0.1014	0.6055
10.62	10916	0.7423		0.9543	4.6834
13.61	26065	1.6203	V	2.2786	10.2237
16.34		2.9194	V		18.4204
16.85	10216	0.6104	V	0.8931	3.8513
18.78		1.5032	V		9.4843
21.90	1076240	7.8030	V	94.0828	49.2333
23.90	14639	0.3175		1.2797	2.0035

7 PEAKS > AREA REJECT 1143923 TOTAL AREA
9 PEAKS > HEIGHT REJECT 15.8490 TOTAL HEIGHT

2.95µl 804 °278 1:1

FILE 24 RUN 23 STARTED 00:00.3 80/01/02
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01



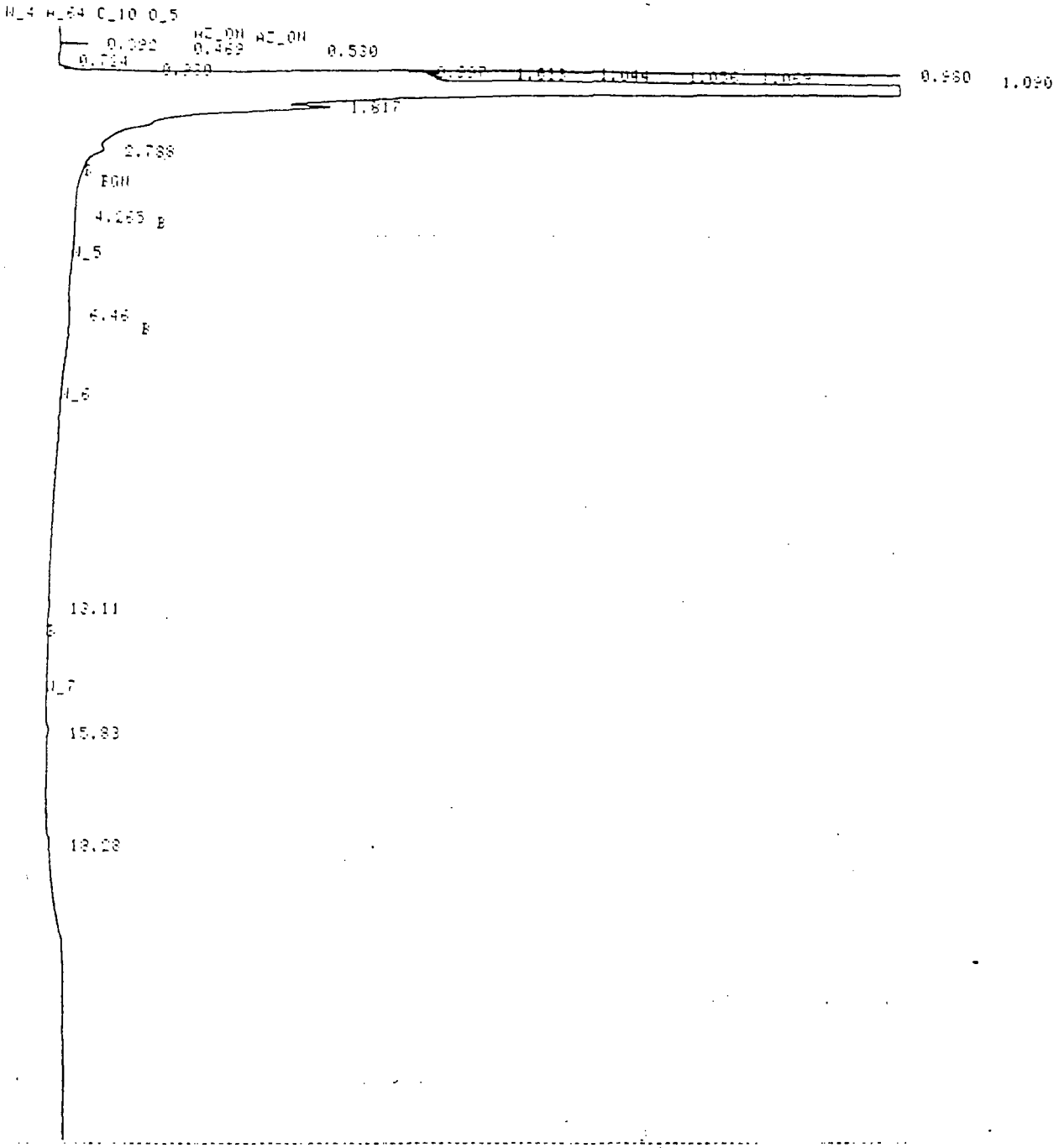
FILE 24 RUN 23 STARTED 00:00.3 80/01/02
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
10.53	25506	0.5372	V	3.4659	6.4242
11.90		0.1729			2.0675
13.61	26404	1.4844	V	3.5879	17.7502
16.34	15946	2.9895	V	2.1668	35.7479
18.79		1.3746	V		16.4371
22.58	653013	1.3645	V	88.7348	16.3178
23.46	2725	0.1666	V	0.3703	1.9918
24.69	12321	0.2730		1.6743	3.2644

6 PEAKS > AREA REJECT 735915 TOTAL AREA
8 PEAKS > HEIGHT REJECT 8.3626 TOTAL HEIGHT

FILE 7 RUN 5 STARTED 13:58.2 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

3 ml 8010279 1:1



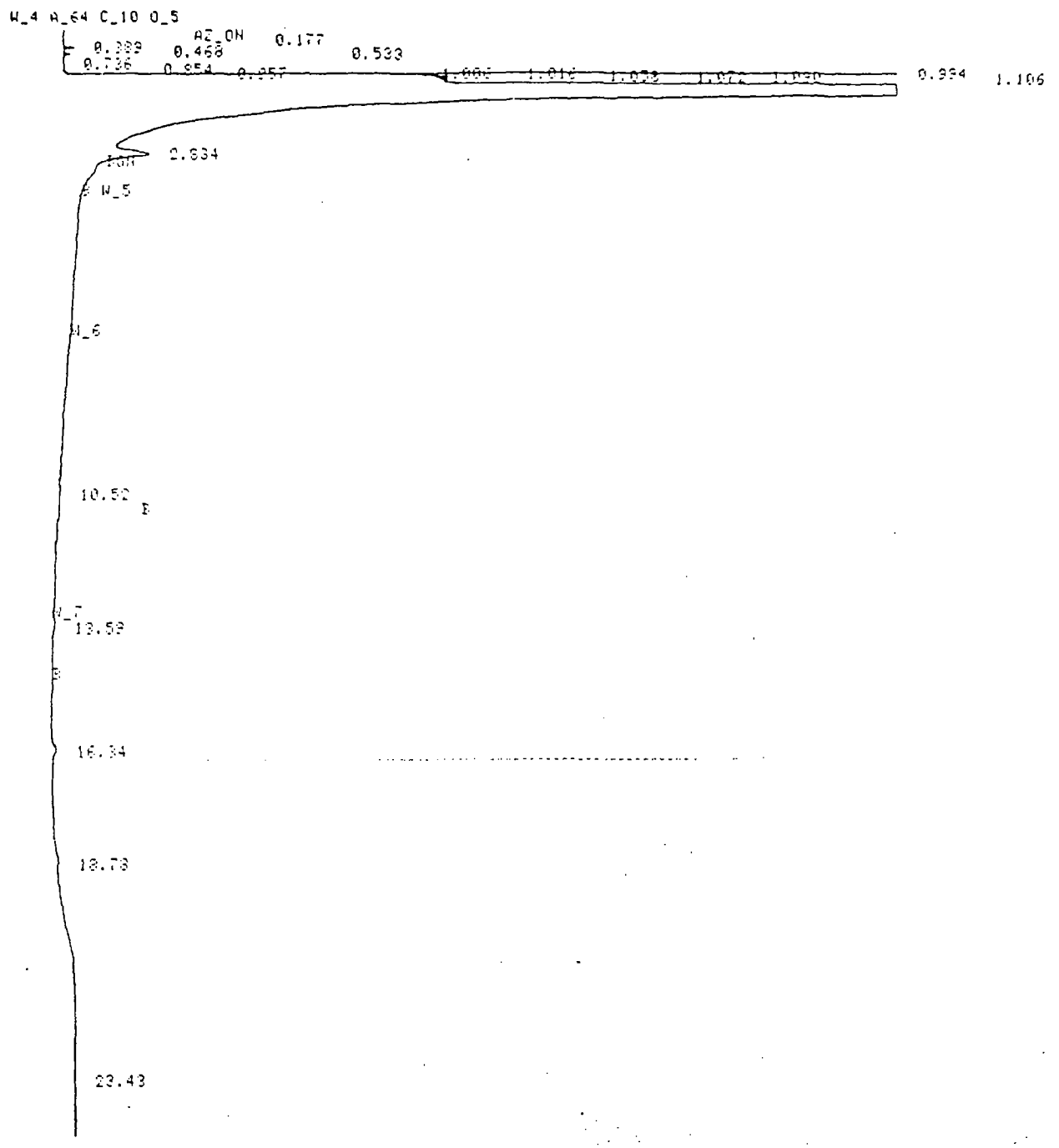
FILE 7 RUN 5 STARTED 13:58.2 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

PT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.265	307	0.0689		0.6065	1.5053
6.46	12608	0.6678		24.9469	14.6002
13.11	15522	1.0281		30.7126	22.4765
15.83	22103	2.0351	V	43.7341	44.4911
18.28		0.7743	V		16.9268

4 PEAKS > AREA REJECT 50540 TOTAL AREA
5 PEAKS > HEIGHT REJECT 4.5741 TOTAL HEIGHT

3µl 8040280 (:)

FILE 25 RUN 24 STARTED 00:37.3 80/01/02
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01



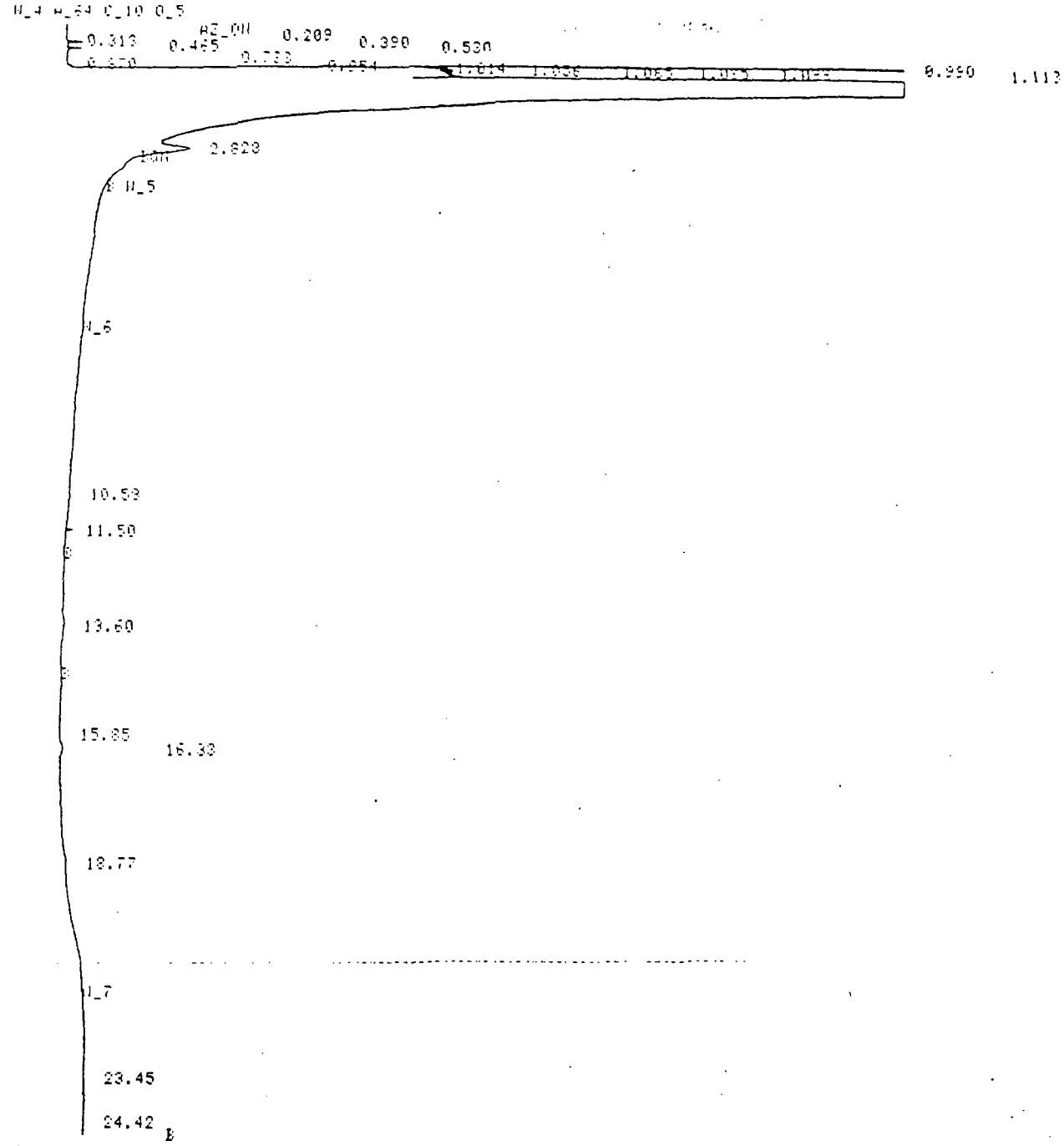
FILE 25 RUN 24 STARTED 00:37.3 80/01/02
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
10.52	6500	0.3308		7.1499	5.0257
13.59	23544	1.4203		25.8979	21.5784
16.34	36371	3.1038	V	40.0068	47.1535
18.78	17818	1.4962	V	19.5989	22.7306
23.43	6679	0.2312	V	7.3465	3.5118

5 PEAKS > AREA REJECT 90911 TOTAL AREA
5 PEAKS > HEIGHT REJECT 6.5823 TOTAL HEIGHT

Sul 804028 1:1

FILE 26 RUN 25 STARTED 01:12.1 80/01/02
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01



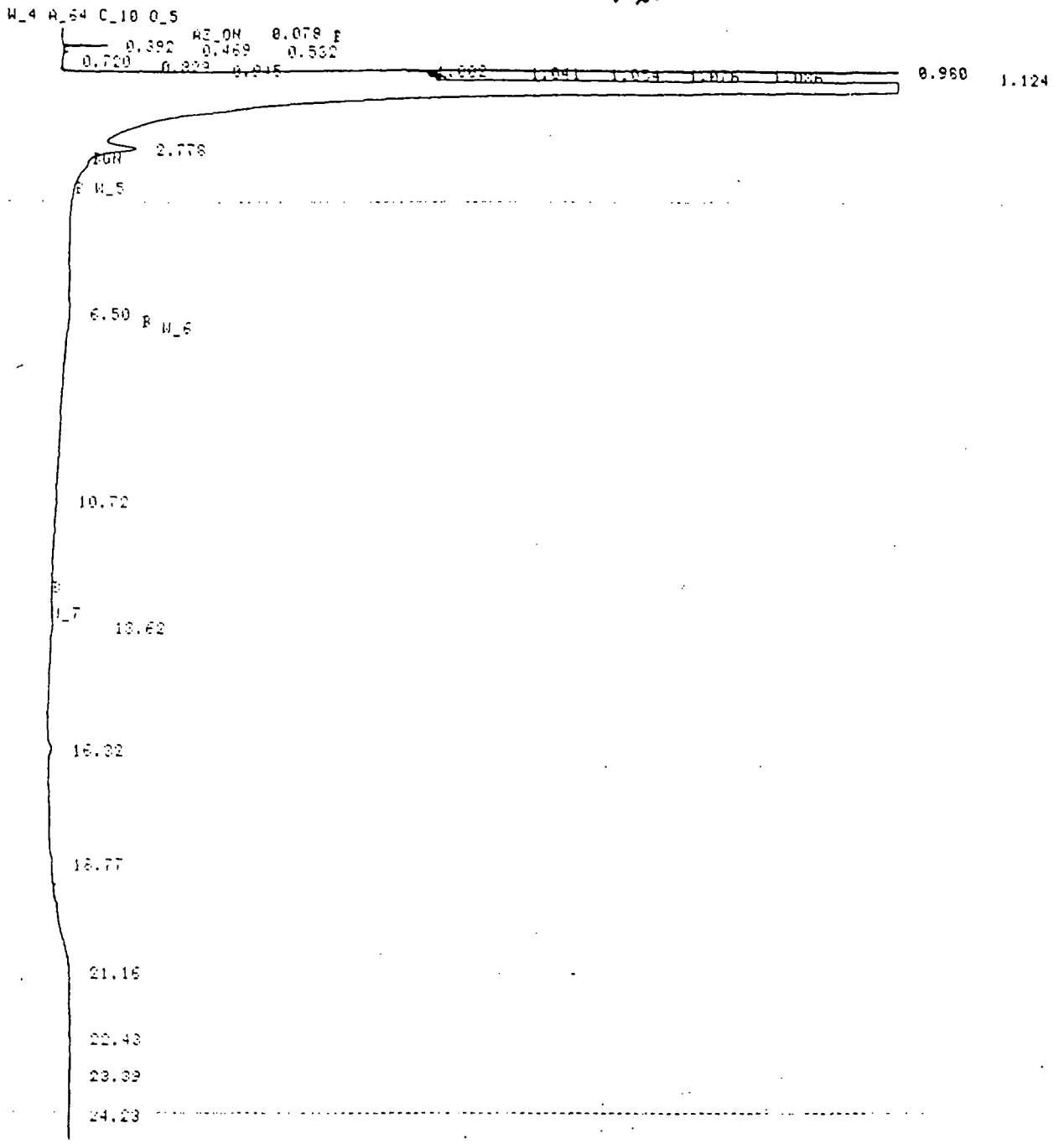
FILE 26 RUN 25 STARTED 01:12.1 80/01/02
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
10.58	19688	0.4817	V	19.3028	6.9546
11.50		0.9819			14.1767
13.60	24460	1.3048		23.9810	18.8392
15.85	1080	0.0783	V	1.0589	1.1308
16.33	31874	2.5800	V	31.2504	37.2506
18.77	2250	1.0475	V	2.2060	15.1243
23.45	19287	0.3465	V	18.9099	5.0828
24.42	3357	0.1053		3.2910	1.5209

7 PEAKS > AREA REJECT 101996 TOTAL AREA
8 PEAKS > HEIGHT REJECT 6.9261 TOTAL HEIGHT

FILE 27 RUN 26 STARTED 01:45.6 80/01/02
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

3ul 8140282 1:1



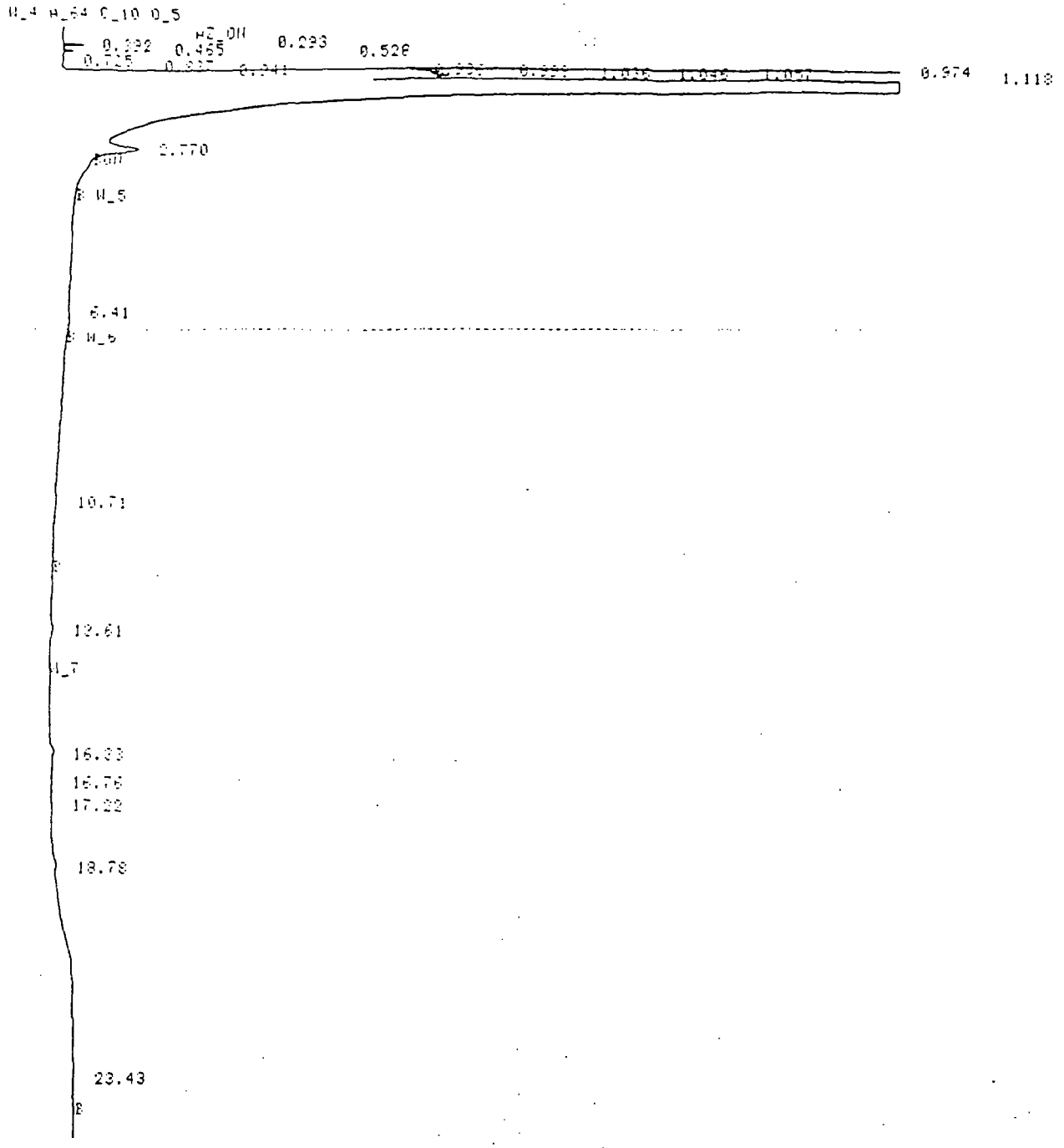
FILE 27 RUN 26 STARTED 01:45.6 80/01/02
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
6.50	6482	0.3599		5.2223	4.1489
10.72	3475	0.7186		2.7999	8.2850
13.62	35266	1.5788	V	28.4143	18.2022
16.32	33093	2.8257	V	26.6635	32.5790
18.77		0.9930	V		11.4491
21.16		1.1568	V		13.3372
22.43	33949	0.4993	V	27.3530	5.7455
23.39	8547	0.3829	V	6.8865	4.4145
24.23	3302	0.1595	V	2.6605	1.8386

7 PEAKS > AREA REJECT 124113 TOTAL AREA
9 PEAKS > HEIGHT REJECT 8.6735 TOTAL HEIGHT

3ml 8040283 1:1

FILE 28 RUN 27 STARTED 02:19.7 80/01/02
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01



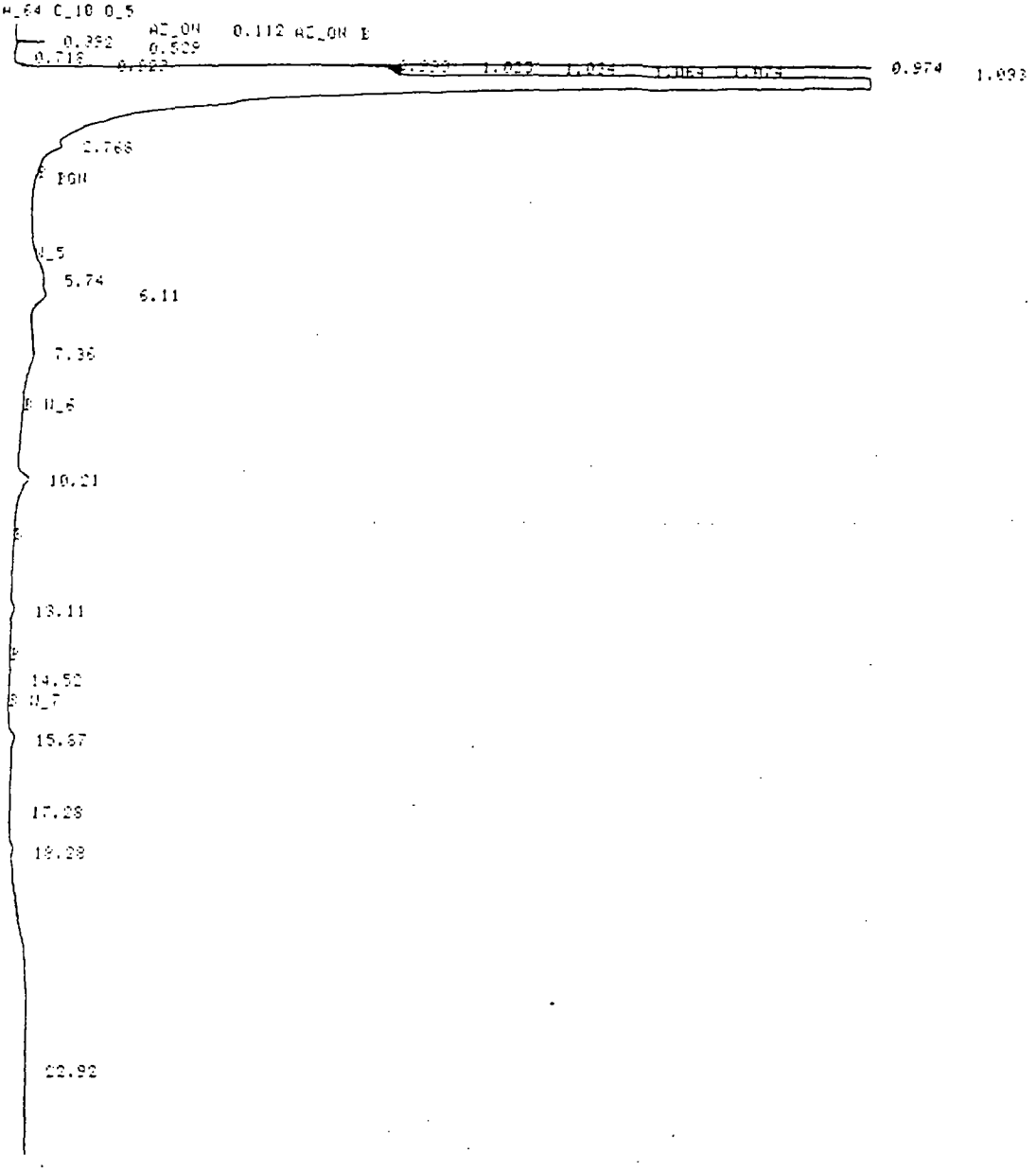
FILE 28 RUN 27 STARTED 02:19.7 80/01/02
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
6.41	18423	0.3256		1.6269	3.9320
10.71	11575	0.6818		1.0222	8.2341
13.61	18092	1.3259	V	1.5977	16.0117
16.33		1.8793	V		22.6953
16.76	3425	0.1915	V	0.3025	2.3123
17.22	2053	0.1595	V	0.1813	1.9263
18.78	14109	1.3352	V	1.2460	16.1237
23.43	1064682	2.3819		94.0234	28.7647

7 PEAKS > AREA REJECT 1132358 TOTAL AREA
8 PEAKS > HEIGHT REJECT 8.2907 TOTAL HEIGHT

FILE 10 RUN 9 STARTED 15:41.9 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

3µl 8040284 1:1



FILE 10 RUN 9 STARTED 15:41.9 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
5.74	99254	4.8050	T	5.4438	13.6670
6.11	172107	8.0208	V	9.4396	22.8141
7.36	4933	1.0933		0.2706	3.1097
10.21	209187	8.5148		11.4734	24.2190
13.11	39638	2.7442		2.1740	7.8056
14.52	1942	0.1747		0.1065	0.4970
15.67	108920	4.3567	V	5.9740	12.3919
17.28	4040	0.2831	V	0.2216	0.8051
18.28	11719	1.5340	V	0.6426	4.3632
22.92	1171498	3.6308	T	64.2537	10.3272

10 PEAKS > AREA REJECT 1823237 TOTAL AREA
10 PEAKS > HEIGHT REJECT 35.1573 TOTAL HEIGHT

1:10

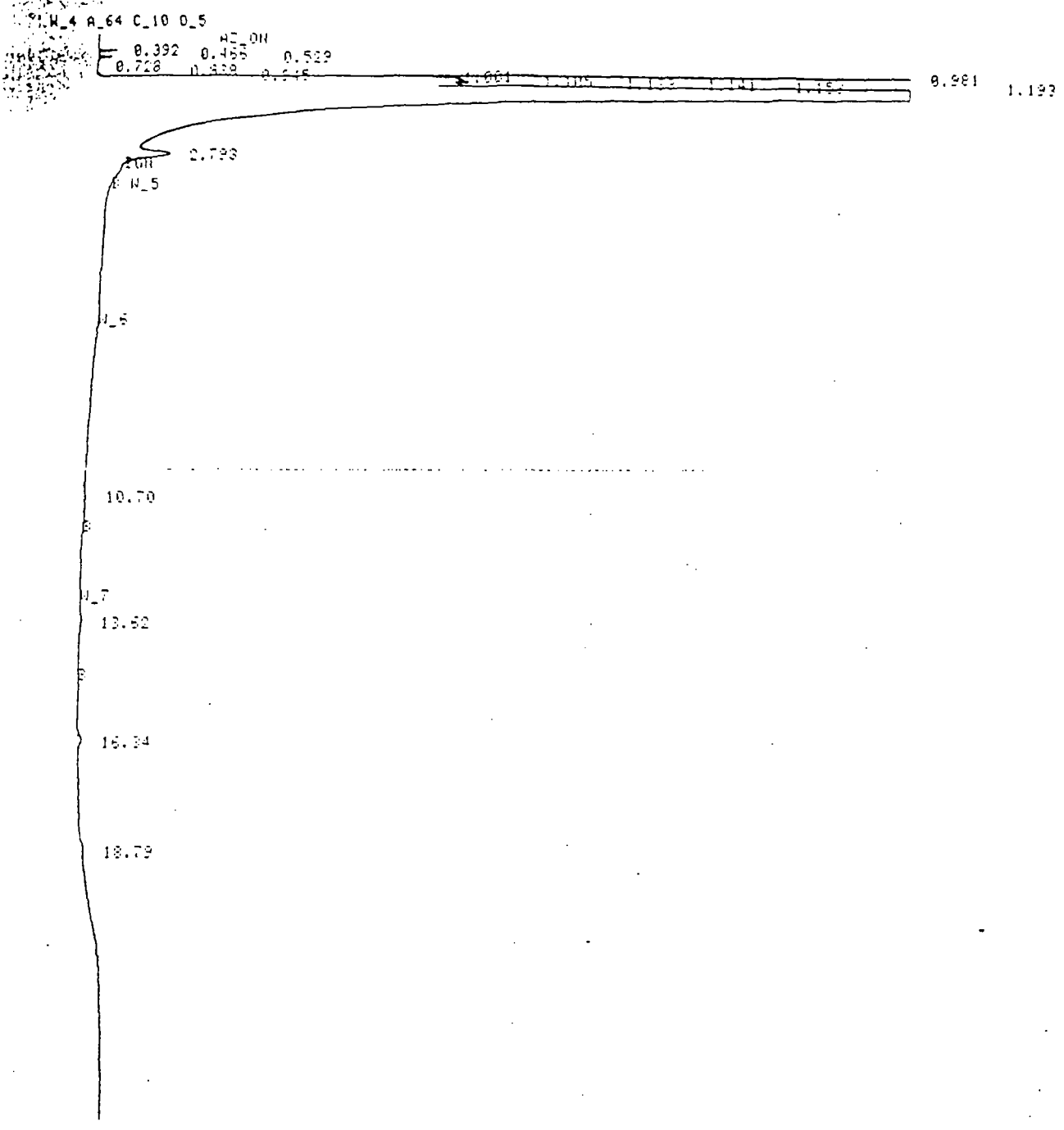
FILE 11 RUN 9 STARTED 16:13.4 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

1λ 8040271 ~~[illegible]~~.

H_4 H_64 C_10 O_5

3ml 8040285 1:1

FILE 29 RUN 28 STARTED 02:52.7 80/01/02
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01



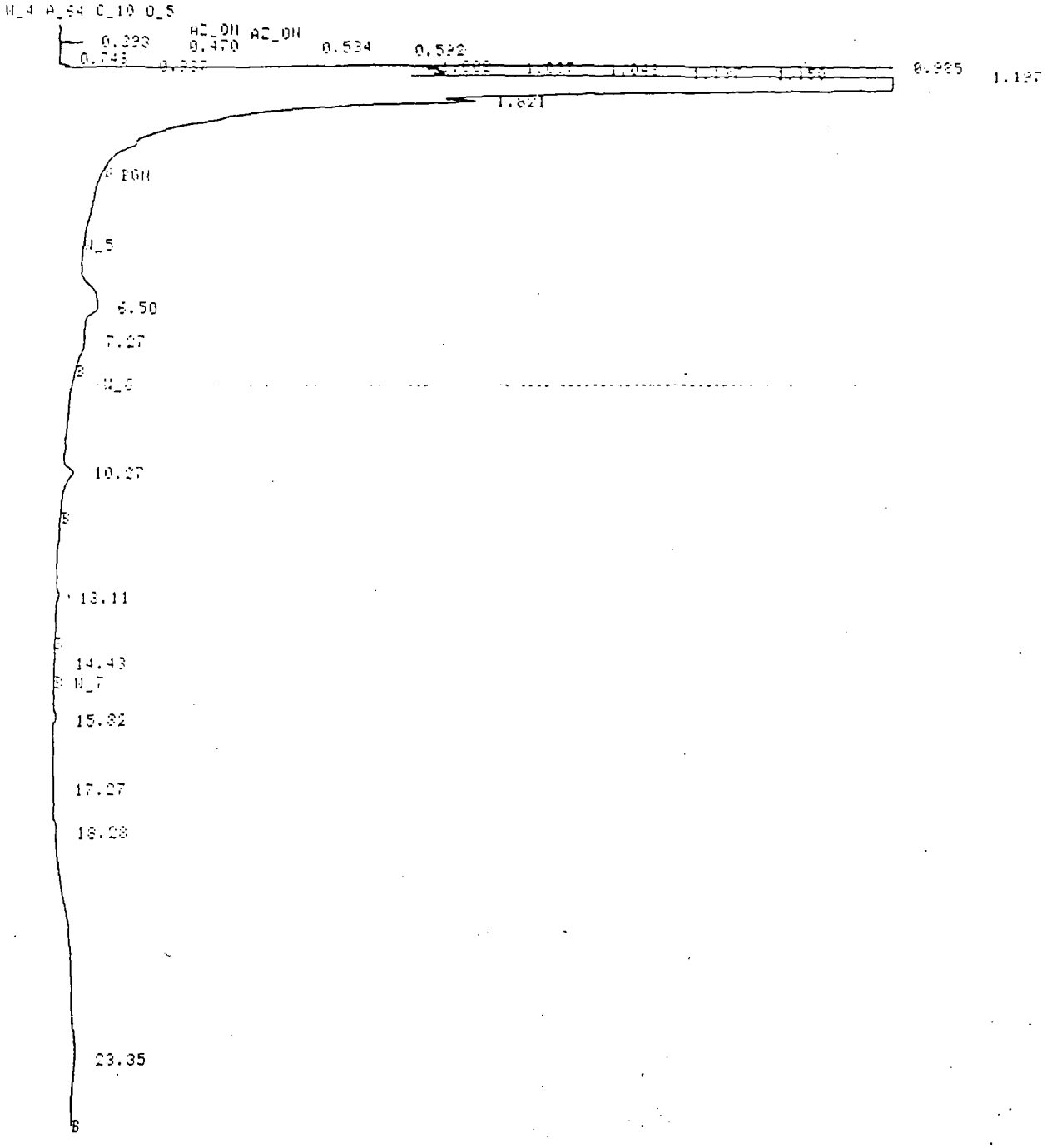
FILE 29 RUN 28 STARTED 02:52.7 80/01/02
% METHOD 1 DIESELS LAST EDITED 00:26.6 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
10.70	13919	0.7056		21.7167	11.8015
13.62	19902	1.4868		31.0507	24.8679
16.34	30273	2.7961	V	47.2326	46.7679
18.79		0.9902	V		16.5628

3 PEAKS > AREA REJECT 64094 TOTAL AREA
4 PEAKS > HEIGHT REJECT 5.9786 TOTAL HEIGHT

3µl 8040286 1:1

FILE 2 RUN 7 STARTED 15:05.9 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01



FILE 2 RUN 7 STARTED 15:05.9 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

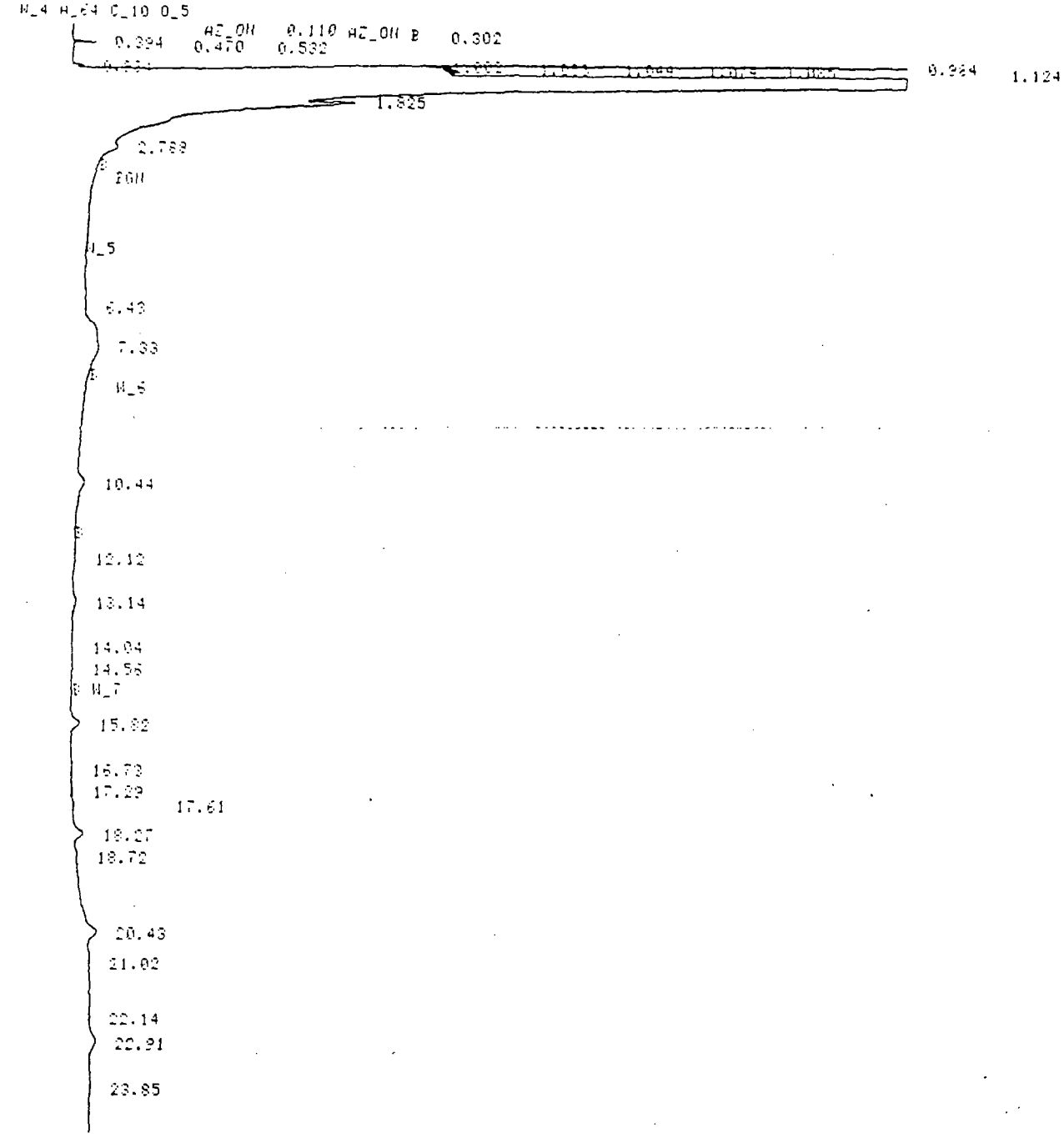
RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
6.50	669986	13.6503	T	26.9207	36.1111
7.27	166049	5.3998		6.7524	14.0851
10.27	166025	7.7900		6.6710	20.3106
13.11	34181	2.1941		1.3734	5.7207
14.43	3759	0.1689		0.1510	0.4404
15.82	32305	2.4331	V	1.2980	6.3437
17.27		0.2731	V		0.7120
18.28		0.9641	V		2.5136
23.35	1414438	5.2982		56.8334	13.7929

7 PEAKS : AREA REJECT 2488743 TOTAL AREA
9 PEAKS : HEIGHT REJECT 38.3546 TOTAL HEIGHT

3µl 8040284 1:1

8040286 3µl 1:1

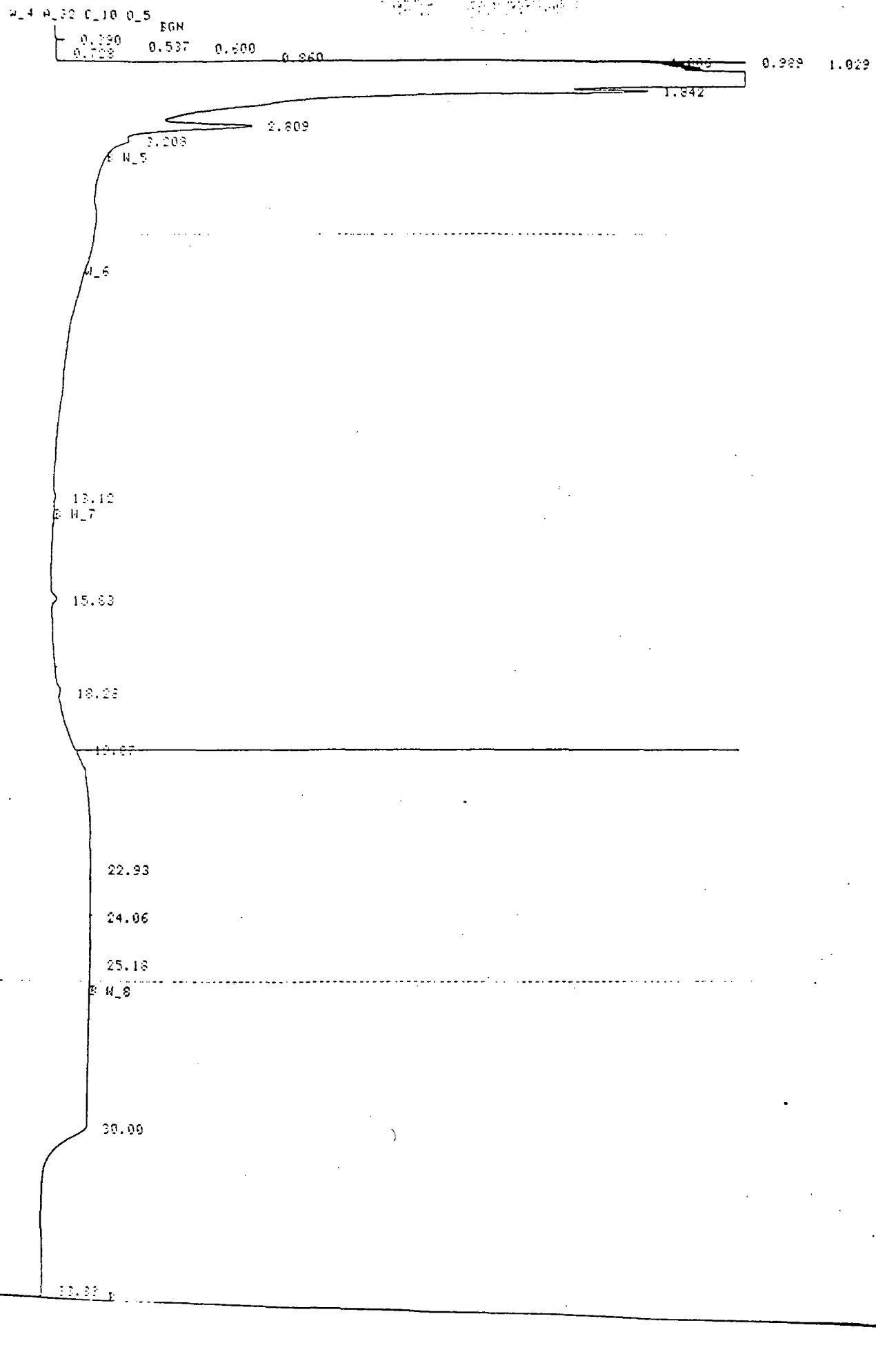
FILE 8 RUN 6 STARTED 14:31.6 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01



FILE 8 RUN 6 STARTED 14:31.6 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
6.43	1909	0.2094	V	0.0919	0.3204
7.33	56960	1.7572		2.7412	2.6884
10.44	126822	5.1966		6.1034	7.9504
12.12	7996	0.5156	V	0.3893	0.7889
13.14	47286	2.7701	V	2.2757	4.2380
14.04	2141	0.1497	T	0.1030	0.2290
14.56	9329	0.4835		0.4490	0.7397
15.82	77963	6.3149	V	3.7520	9.6611
16.73	8869	0.6755	V	0.4268	1.0335
17.29	9407	0.8711	T	0.4527	1.3327
17.61	11583	0.9766	V	0.5575	1.4940
18.27	88792	6.3850	T	4.2732	10.6864
18.72	23231	1.8544	T	1.1180	2.8371
20.43	532092	13.1851	T	25.6073	20.1713
21.02	202145	7.1206	T	9.7283	10.8938
22.14	401763	5.2535	T	19.3351	8.0373
22.91	325818	8.2651	T	15.6802	12.6448
23.85	143987	2.7796	T	6.9247	4.2526

FILE 1 RUN 1 STARTED 01:02.7 80/01/01 3λ 8040287 2:1
% METHOD 0 G.C. DEFAULT



FILE 1 RUN 1 STARTED 01:02.7 80/01/01
% METHOD 0 G.C. DEFAULT

8040287 pg 2

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
0.390	20570	5.1973	T	0.0309	0.0165
0.537	11145	2.8032	T	0.0167	0.0100
0.600	20181	3.1343	T	0.0303	0.0111
0.729	35426	4.4361	T	0.0532	0.0158
0.860	30467	5.5997	T	0.0457	0.0159
0.989	4168425	10327.7881	V	6.2557	36.6771
1.006	256568	271.5834	T	0.3850	0.9645
1.029	327256	277.8856	T	0.4911	0.9869
1.040	221500	278.7690	T	0.3324	0.9900
1.050	175750	275.6149	T	0.2638	0.9793
1.065	306500	276.1045	T	0.4630	0.9805
1.082	269292	282.6025	T	0.4041	1.0036
1.096	179963	283.7068	T	0.2699	1.0075
1.105	134876	283.5422	T	0.2024	1.0069
1.116	271230	283.7881	T	0.4070	1.0078
1.132	249409	285.9757	T	0.3743	1.0156
1.144	181032	284.6945	T	0.2717	1.0110
1.154	135838	283.9779	T	0.2039	1.0085
1.166	226703	286.1842	T	0.3402	1.0163
1.176	158508	284.9697	T	0.2379	1.0120
1.188	204176	286.4510	T	0.3064	1.0173
1.200	203824	284.7448	T	0.3059	1.0112
1.212	227652	287.1637	T	0.3416	1.0199
1.229	273405	286.7117	T	0.4103	1.0182
1.246	50521680	12279.5088	T	75.8200	43.6082
1.842	5559744	257.9567	T	8.3437	0.9161
2.809	1259862	74.8515	T	1.8900	0.2658
3.208	272937	15.5059		0.4096	0.0551
13.12	16546	1.0039		0.0248	0.0036
15.83	29117	2.3727	V	0.0437	0.0084
18.18	58426	2.2716	T	0.0877	0.0081
19.87	515623	86.9702	V	0.7738	0.3089
22.93	35137	0.6784	T	0.0527	0.0024
24.05	37328	0.5103	T	0.0560	0.0018
25.18	24295	0.3695		0.0365	0.0013
30.00		3.0759	V		0.0109
33.88	11928	0.1716		0.0179	0.0006

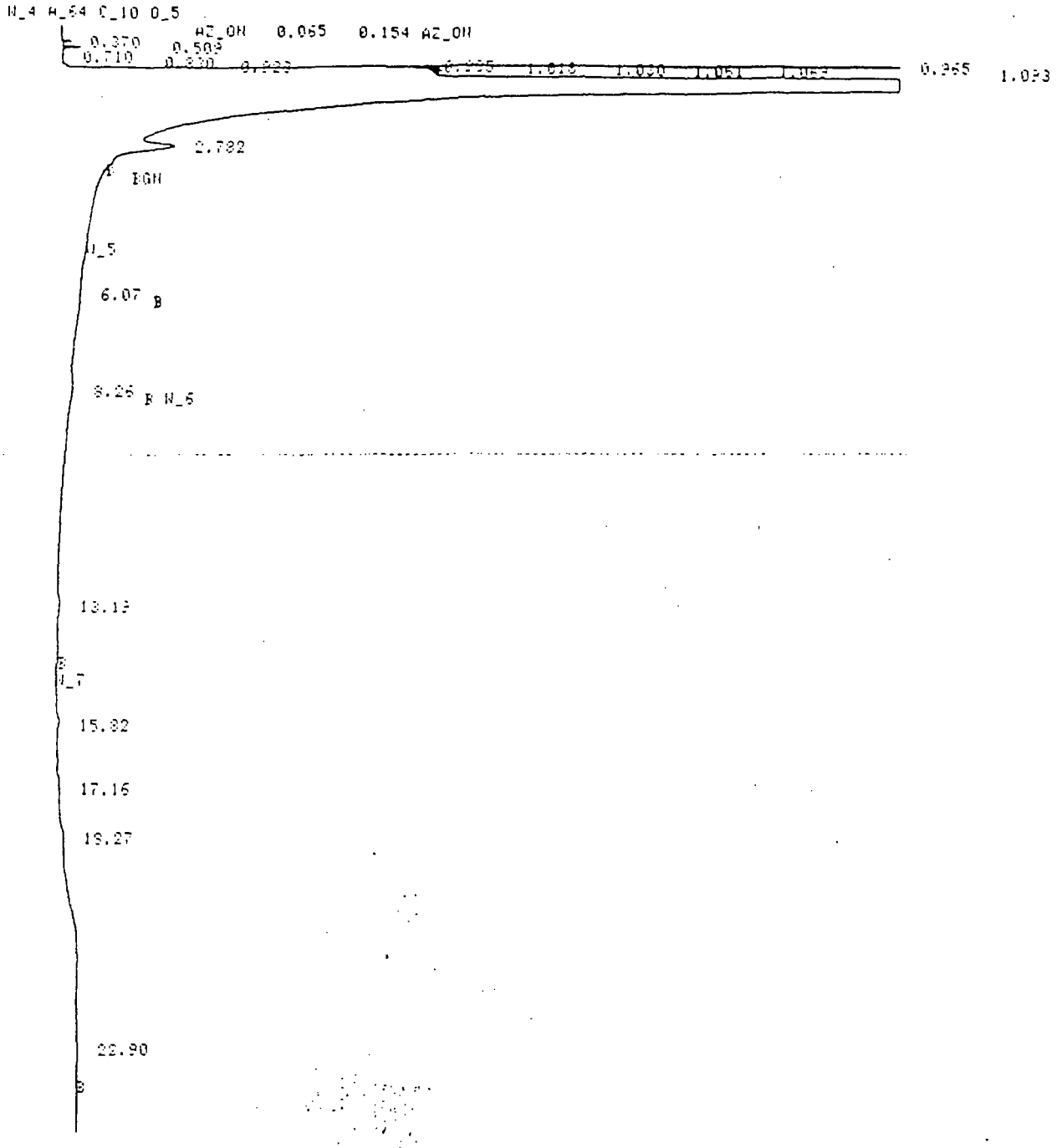
36 PEAKS) AREA REJECT 66633727 TOTAL AREA
37 PEAKS) HEIGHT REJECT 2.815868E+04 TOTAL HEIGHT

KEYBOARD DIRECTED EVENTS

TIME	EVENT	VALUE
34.672	Stop Data	

FILE 3 RUN 1 STARTED 11:39.5 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

3ul 8040289 1:1



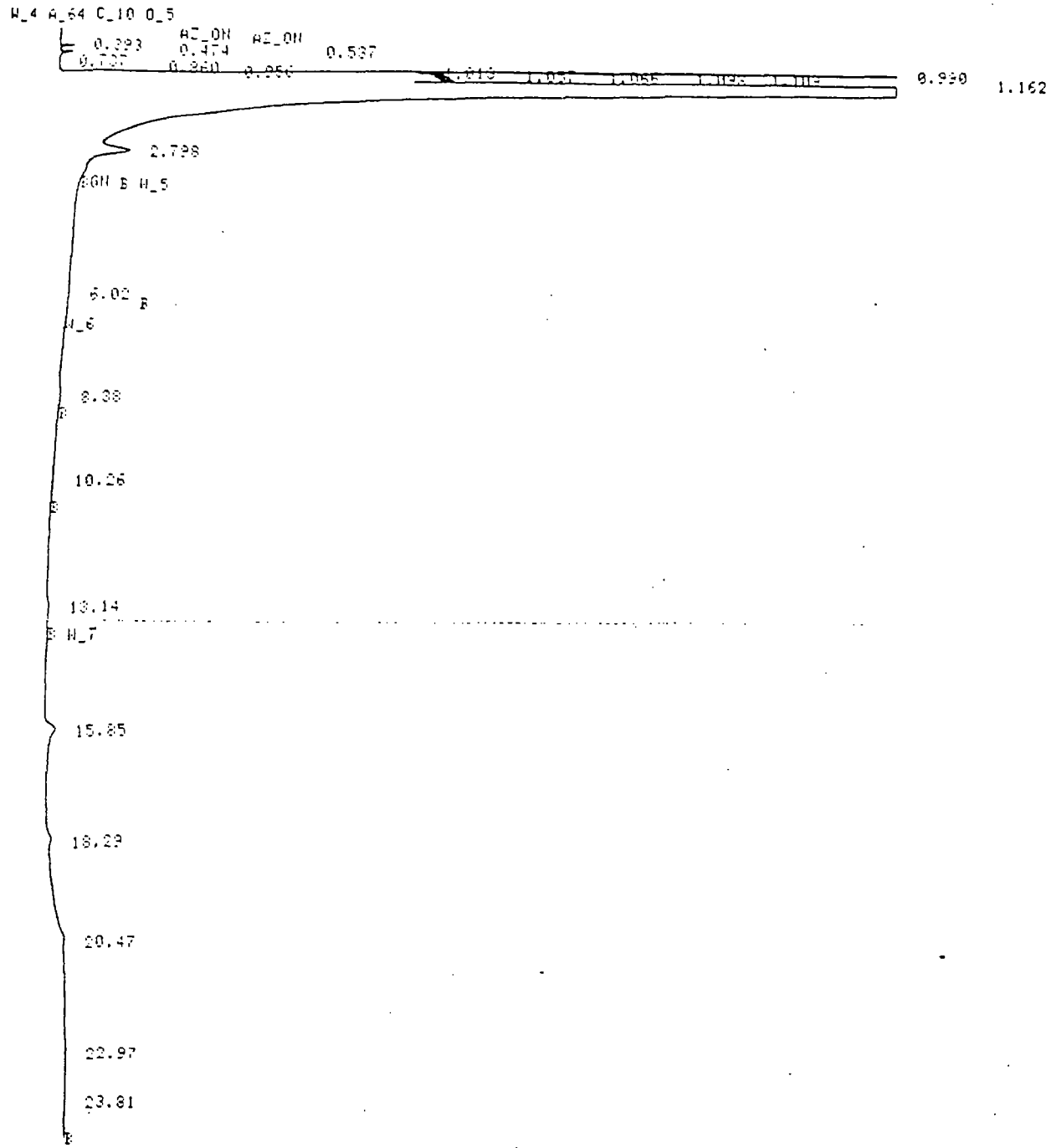
FILE 3 RUN 1 STARTED 11:39.5 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
6.07	1353	0.1534		1.6853	2.7853
8.26	3862	0.2272		4.8106	4.1258
13.19	50789	1.7909		63.2644	32.5173
15.82	14768	1.6542	V	18.3955	30.0360
17.16		0.5655	V		10.2681
18.27	2389	0.8156	V	2.9759	14.8096
22.90	7120	0.3006		8.8683	5.4577

6 PEAKS > AREA REJECT 80281 TOTAL AREA
7 PEAKS > HEIGHT REJECT 5.5074 TOTAL HEIGHT

8040289 3µl 1:1

FILE 4 RUN 2 STARTED 12:17.7 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01



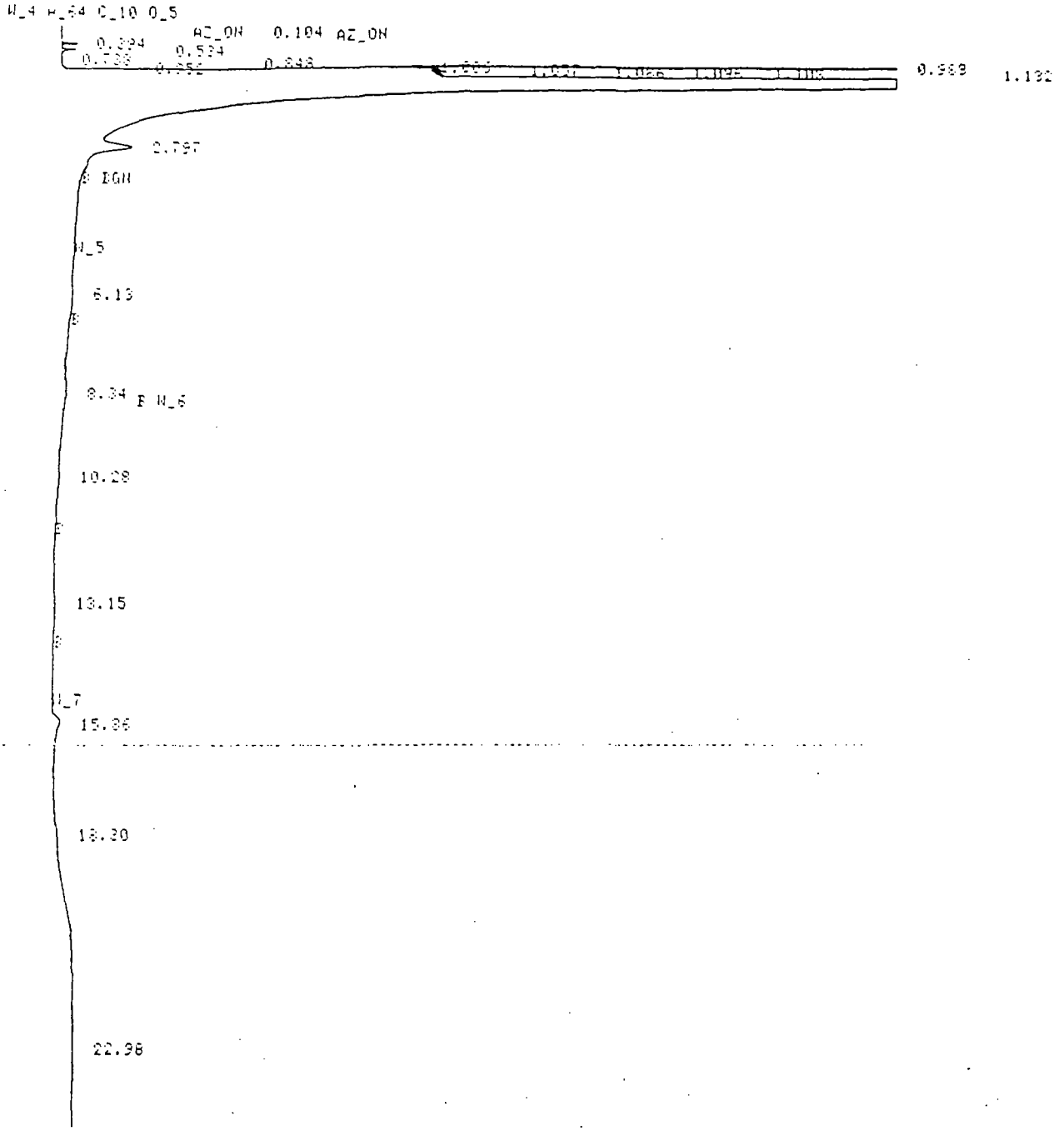
FILE 4 RUN 2 STARTED 12:17.7 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
6.02	2941	0.2013		0.1689	0.7136
8.38	31541	1.1247		1.8116	3.9872
10.26	10682	0.6027		0.6135	2.1367
13.14	28727	1.4648		1.6499	5.1932
15.85	152409	6.7765	V	8.7537	24.0239
18.29	4032	2.3123	V	0.2316	8.1975
20.47	993516	8.0448	T	22.6019	28.5203
22.97	978092	4.9951	T	56.1774	17.7038
23.81	139137	2.6850		7.9915	9.5190

9 PEAKS > AREA REJECT 1741076 TOTAL AREA
9 PEAKS > HEIGHT REJECT 28.2072 TOTAL HEIGHT

3µl 8010289 1:1

FILE 5 RUN 3 STARTED 12:50.4 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01



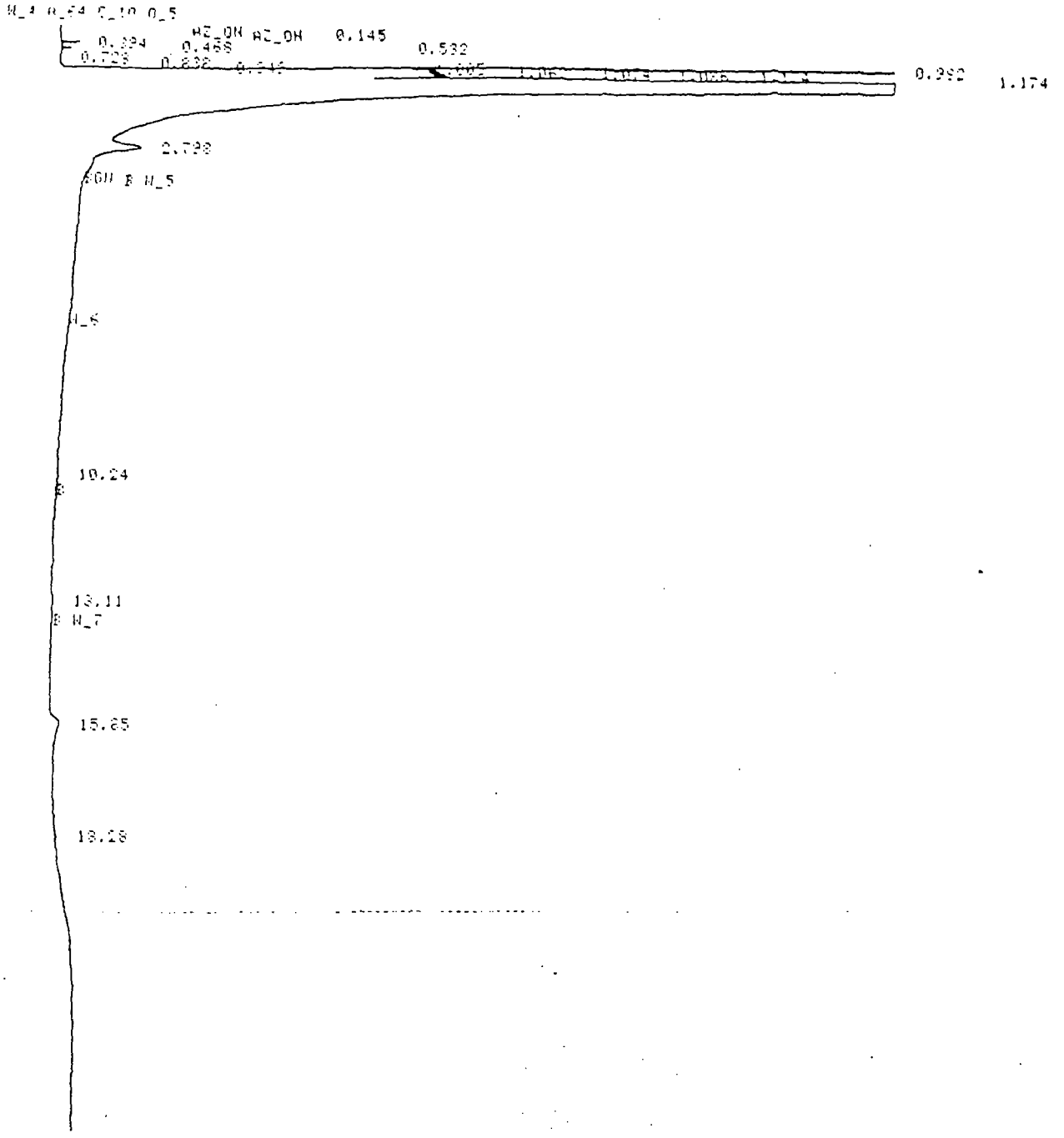
FILE 5 RUN 3 STARTED 12:50.4 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
6.13	23485	0.6231		9.8699	6.5045
8.34	9085	0.5670		3.8181	5.9182
10.28	7507	0.3892		3.1549	4.0627
13.15	34865	1.0933		14.6523	11.4811
15.86	142657	5.5792	U	59.9534	58.2374
18.30		0.8856	U		9.2442
22.98	20348	0.4361	T	8.5513	4.5519

6 PEAKS > AREA REJECT 237946 TOTAL AREA
7 PEAKS > HEIGHT REJECT 9.5800 TOTAL HEIGHT

3mP 8090290 1:1

FILE 6 RUN 4 STARTED 13:23.2 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01



FILE 6 RUN 4 STARTED 13:23.2 80/01/01
% METHOD 1 DIESELS LAST EDITED 11:09.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
10.24	7061	0.4374		3.8328	5.4201
13.11	12584	0.9045		6.8304	11.2076
15.85	164583	5.9467	V	89.3369	73.6829
18.28		0.7820	V		9.6894

3 PEAKS > AREA REJECT 184228 TOTAL AREA
4 PEAKS > HEIGHT REJECT 8.0707 TOTAL HEIGHT

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222 • FAX (415) 364-9233

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Reported: 06/02/88
Project: #JCO-104H

Sample Number	Sample Description	Methanol	Ethanol	Acetone	Isopropanol
	Soil	mg/kg	mg/kg	mg/kg	mg/kg
8051316	SB-2	5.0	N.D.	6.3	N.D.
8051317	SB-4	14	N.D.	15	60
8051318	SB-3	32	20	25	18
8051319	SB-7	N.D.	N.D.	N.D.	N.D.
Limit of Detection:		1.0	1.0	1.0	1.0

SEQUOIA ANALYTICAL LABORATORY

Scot Cocanour

Arthur G. Burton
Laboratory Director

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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Reported: 06/02/88
Project: #JCO-104H

High Boiling Point Hydrocarbons

Sample Number	Sample Descripiton Soil	Lacquer Thinner mg/kg	Paint Thinner mg/kg	Kerosene mg/kg	Diesel mg/kg
8051316	SB-2	N.D.	5.2	10	N.D.
8051317	SB-4	N.D.	320	140	N.D.
8051318	SB-3	N.D.	320	150	N.D.
8051319	SB-7	N.D.	2.1	N.D.	N.D.
Limit of Detection:		1.0	1.0	1.0	1.0

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Laboratory Director

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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Analyzed: 05/23/88
Date Reported: 06/02/88
Project: #JCO-104H

Sample Number: 8051316
Sample Description: Soil, SB-2

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg
Acetone	500	8,800
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	950
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	1,400
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	1,700
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	300
1,1,1-Trichloroethane	100	2,600
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D.

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Analyzed: 05/23/88
Date Reported: 06/02/88

Project: #JCO-104H

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Hazardous Substance List Compounds

Sample Number	Sample Description
8051316	Soil, SB-2

Analyte	Concentration µg/L
Cyclohexane 1,2,3-Trimethyl	600
Cyclohexane, (1-Methylethyl)	800

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the NBS library. Positive identification or specification between isomers cannot be made without retention time standards.

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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Extracted: 05/23/88
Date Analyzed: 05/24/88
Date Reported: 06/02/88

Project: #JCO-104H

PHENOLS

Sample Number	Sample Description
8051316	Soil, SB-2

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222 • FAX (415) 364-9233

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Analyzed: 05/23/88
Date Reported: 06/02/88
Project: #JCO-104H

Sample Number: 8051318

Sample Description: Soil, SB-3

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg
Acetone	500	91,000
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	210,000
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	38,000
1,1,1-Trichloroethane	100	47,000
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	27,000

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

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1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Analyzed: 05/24/88
Date Reported: 06/02/88

Project: #UCO-104H

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Hazardous Substance List Compounds

Sample Number	Sample Description
8051318	Soil, SB-3

Analyte	Concentration µg/L

No additional peaks > 200 µg/kg were identified by the NBS spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the NBS library. Positive identification or specification between isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL LABORATORY

Scot Cocanour

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Laboratory Director

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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Extracted: 05/23/88
Date Analyzed: 05/24/88
Date Reported: 06/02/88

Project: #JCO-104H

PHENOLS

Sample Number	Sample Description
8051318	Soil, SB-3

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Analyzed: 05/23/88
Date Reported: 06/02/88
Project: #JCO-104H

Sample Number: 8051317

Sample Description: Soil, SB-4

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg
Acetone	1,000	28,000
Benzene	200	N.D.
Bromodichloromethane	200	N.D.
Bromoform	200	N.D.
Bromomethane	200	N.D.
2-Butanone	1,000	N.D.
Carbon disulfide	200	N.D.
Carbon tetrachloride	200	N.D.
Chlorobenzene	200	N.D.
Chlorodibromomethane	200	N.D.
Chloroethane	200	N.D.
2-Chloroethyl vinyl ether	1,000	N.D.
Chloroform	1,000	N.D.
Chloromethane	200	N.D.
1,1-Dichloroethane	200	1,200
1,2-Dichloroethane	200	N.D.
1,1-Dichloroethene	200	N.D.
Total-1,2-Dichloroethene	200	N.D.
1,2-Dichloropropane	200	N.D.
cis-1,3-Dichloropropene	200	N.D.
trans-1,3-Dichloropropene	200	N.D.
Ethylbenzene	200	2,200
2-Hexanone	1,000	N.D.
Methylene chloride	1,000	64,000
4-Methyl-2-pentanone	1,000	N.D.
Styrene	200	N.D.
1,1,2,2-Tetrachloroethane	200	N.D.
Tetrachloroethene	200	1,000
Toluene	200	17,000
1,1,1-Trichloroethane	200	7,300
1,1,2-Trichloroethane	200	N.D.
Trichloroethene	200	560
Trichlorofluoromethane	200	N.D.
Vinyl acetate	200	N.D.
Vinyl chloride	200	N.D.
Total Xylenes	200	210,000

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

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Laboratory Director

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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Analyzed: 05/23/88
Date Reported: 06/02/88

Project: #JCO-104H

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Hazardous Substance List Compounds

Sample Number	Sample Description
8051317	Soil, SB-4

Analyte	Concentration µg/L
2-Propanone, 1-Methyl	4,000
Cyclopentane, 1,3-Dimethyl-, Trans	820
Cyclohexane, Methyl	6,800
1H-Indene, Octahydro-Cis-	6,100
Cyclohexane, 1,2,3-Trimethyl-, (1.Alpha., 2.Alpha., 3.Beta.)-	620
Cyclohexane, 1,2,3-Trimethyl	7,600
Cyclopentane, 2-Methyl-4-(2-Methylpropyl)-	6,500
Cyclohexane, Propyl	17,000

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the NBS library. Positive identification or specification between isomers cannot be made without retention time standards.

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Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Extracted: 05/23/88
Date Analyzed: 05/24/88
Date Reported: 06/02/88

Project: #JCO-104H

PHENOLS

Sample Number	Sample Description
8051317	Soil, SB-4

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

*Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

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Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Analyzed: 05/23/88
Date Reported: 06/02/88
Project: #JCO-104H

Sample Number: 8051319

Sample Description: Soil, SB-7

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	160
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	210
Toluene	100	620
1,1,1-Trichloroethane	100	440
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	310

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

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Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Analyzed: 05/23/88
Date Reported: 06/02/88

Project: #JCO-104H

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Hazardous Substance List Compounds

Sample Number	Sample Description
8051319	Soil, SB-7

Analyte	Concentration µg/L

No additional peaks > 200 µg/kg were identified by the NBS spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the NBS library. Positive identification or specification between isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

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Redwood City, CA 94063 • (415) 364-9222 • FAX (415) 364-9233

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Extracted: 05/23/88
Date Analyzed: 05/24/88
Date Reported: 06/02/88

Project: #JCO-104H

PHENOLS

Sample Number	Sample Description
8051319	Soil, SB-7

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

Scot Cocanour

Arthur G. Burton
Laboratory Director

OK
Don Salaices
4-6-88

Serial Number 045
WA Project Number JCO-104H
Page 1 of 2

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Date Sample Shipped 4-6-88
Name of Laboratory Sequoia Labs
Lab Project Manager Scott Cocanour
Turnaround Time 15 days
Report to Robert Braynaert

Collector Bob Braynaert / Peter Lyon
Affiliation Wahler Associates
Address 1023 Corporation Way P.A.
Phone (415) 968-6250

Sample Information

Perform following analyses on all samples

Your Sample I.D.	Date Collected	Matrix	Container	Analysis Requested
B-9, R-1	4-5-88	Soil	1 ring	X (1) EPA 8240 Open Scan
B-9, R-2	4-5-88	Soil	1 ring	(2) EPA 8040
B-9, R-3	4-5-88	Soil	1 ring	X (3) TPH as Lacquer Thinner
B-9, R-4	4-5-88	Soil	1 ring	X (4) TPH as Paint Thinner
B-9, R-5	4-5-88	Soil	1 ring	X (5) TPH as Kerosene
B-9, R-6	4-5-88	Soil	1 ring	X (6) TPH as Diesel
B-9, R-7	4-5-88	Soil	1 ring	X (7) Alcohols / Acetone
B-10, R-8	4-5-88	Soil	1 ring	

Comments Perform same set of seven tests on all soil samples. Provide JCO-104H QC data package plus chromatograms

Wahler Contact Person Bob Braynaert Phone (415) 968-6250

Chain of Possession

	Relinquished by (Sign. & affiliation)	Date	Time	Received by (Sign. & affiliation)	Date	Time
1.	[signature]	4/6/88	1200	[signature]	4/6/88	1200
		/ /			/ /	
2.		/ /			/ /	
		/ /			/ /	
3.		/ /			/ /	
		/ /			/ /	

Wahler Associates

Serial Number 045
WA Project Number JCO-104H
Page 2 of 2

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM (Cont'd)

Sample Information

Perform following analyses on all samples

Your Sample I.D.	Date Collected	Matrix	Container	Analysis Requested
B-10, R-9	4-5-88	Soil	1 ring	(1) EPA 8240 OPEN SCAN
B-10, R-10	4-5-88	Soil	1 ring	(2) EPA 8040
B-10, R-11	4-5-88	Soil	1 ring	(3) TPH as Lacquer Thinner
B-10, R-12	4-5-88	Soil	1 ring	(4) TPH as Paint Thinner
B-11, R-13	4-5-88	Soil	1 ring	(5) TPH as Kerosene
B-11, R-14	4-5-88	Soil	1 ring	(6) TPH as Diesel
B-11, R-15	4-5-88	Soil	1 ring	(7) alcohols/Acetone
B-11, R-16	4-5-88	Soil	1 ring	
B-11, R-17	4-5-88	Soil	1 ring	
B-11, R-18	4-5-88	Soil	1 ring	
B-12, R-19	4-5-88	Soil	1 ring	
B-12, R-20	4-5-88	Soil	1 ring	
B-12, R-21	4-5-88	Soil	1 ring	

Comments Perform same set of seven analyses on all soil samples
Provide JCO-104H QC data package with chromatograms

Wahler Contact Person Bob Braynsert Phone (415) 969-6250

Wahler Associates

Checked by Amy Chou

Serial Number 077
WA Project Number JCO-104H
Page 1 of 1

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Date Sample Shipped 5-17-88
Name of Laboratory Sequoia Laboratories
Lab Project Manager Scott Cocanour
Turnaround Time 5 days
Report to Bob Breynaert

Collector Bob Breynaert
Affiliation Wahler Associates
Address 1023 Corporation Way CA.
Phone (415) 968-6250

Sample Information

Perform 7 analyses on all samples

Your Sample I.D.	Date Collected	Matrix	Container	Analysis Requested
SB-2	5-17-88	SOIL	1 Liner	① EPA 8240 OpenScan
SB-4	5-17-88	SOIL	1 Liner	② EPA 8040
SB-3	5-17-88	SOIL	1 Liner	③ TPH as Lacquer Thinner
SB-7	5-17-88	SOIL	1 Liner	④ TPH as Paint Thinner
				⑤ TPH as Kerosene
				⑥ TPH as Diesel
				⑦ Alcohols/Acetone

Comments Please perform seven analyses on all samples
Supply QC data with analysis results
Results due by Tuesday May 24, 1988

Wahler Contact Person Bob Breynaert Phone (415) 968-6250

Chain of Possession

	Relinquished by (Sign. & affiliation)	Date	Time	Received by (Sign. & affiliation)	Date	Time
1.	[signature]	5/17/88	1720	[signature]	5/17/88	5:20
		/ /			/ /	
2.		/ /			/ /	
		/ /			/ /	
3.		/ /			/ /	
		/ /			/ /	

Wahler Associates

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222 • FAX (415) 364-9233

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Reported: 06/02/88
Project: #JCO-104H

Q.C. DATA REPORT

Analyst: G. Emory
Date of Analysis: 5/24/88
Method of Analysis: EPA 3550/8015
Detection Limit: 1.0
Units: ppm

Sample Number	Analyte	Original Result	Duplicate Result	% Deviation
8052091	HBP Hydrocarbons	39	52	14

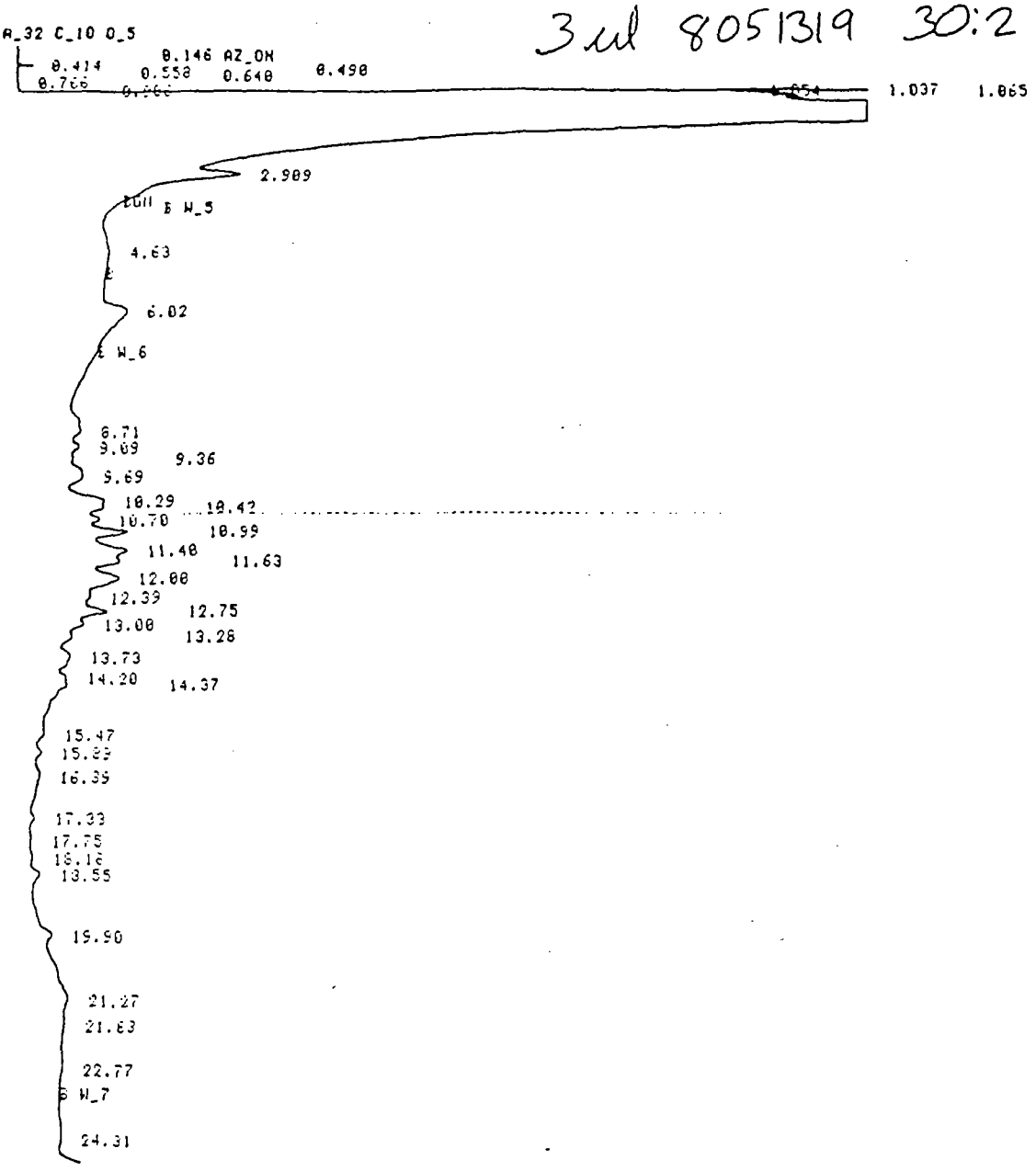
Sample Number	Analyte	Sample Contribution	Spike Added	Spike Result	% Recovery
8052091	HBP Hydrocarbons	92	21	109	81

SEQUOIA ANALYTICAL LABORATORY

Scot Cocanour

Arthur G. Burton
Laboratory Director

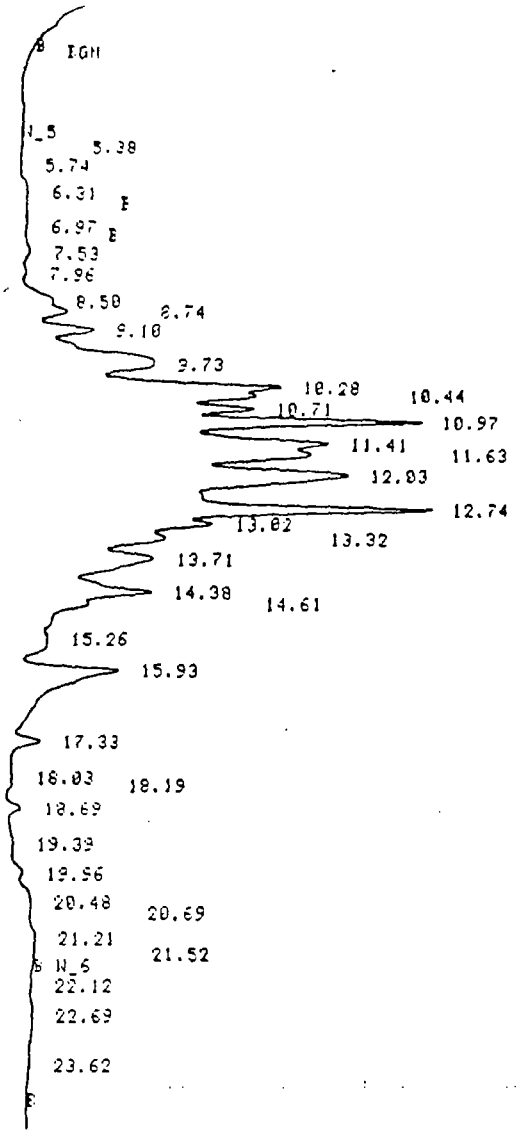
3ul 8051319 30:2



FILE 33 RUN 11 STARTED 17:28.6 80/01/02
% METHOD 1 DIESELS LAST EDITED 00:23.7 80/01/02

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.63	71698	2.0119		4.5186	1.9213
6.02	299647	9.4027		19.0100	8.9791
8.71	81758	3.3141	V	5.1863	3.1648
9.09	27523	2.9351	V	1.7461	2.8602
9.36	3745	0.6326	V	0.2376	0.6041
9.69	98346	4.8372	V	6.2392	4.6193
10.29	22251	3.5054	V	1.4119	3.3474
10.43	13061	2.0850	V	0.8286	2.0006
10.70	24555	3.3181	V	1.5578	3.1686
10.99	111552	12.3366	V	7.0778	11.7908
11.40	62099	6.8402	V	3.9396	6.5321
11.63	35883	4.0182	V	2.2765	3.8372
12.00	147211	9.7474	V	9.3392	9.3082
12.39	6114	0.9073	V	0.3879	0.6665
12.75	77170	8.7125	V	4.8957	8.3200
13.00	21356	2.7949	V	1.3549	2.6630
13.28	16787	1.7659	V	1.0650	1.6864
13.73	68869	3.5523	V	4.3691	3.3939
14.20	9887	1.3683	V	0.6272	1.3067
14.37		1.5395	V		1.4701
15.47	25632	1.5833	V	1.6261	1.5120
15.89	19134	1.9145	V	1.2170	1.8283
16.39	71177	2.2379	V	4.5156	2.1370
17.33	16781	1.6849	V	1.0646	1.5326
17.75	4950	0.4108	V	0.3140	0.3923
18.18	7917	0.7417	V	0.5023	0.7083
18.55	46199	3.1465	V	2.9309	3.0047
19.90	20068	2.8280	V	1.2731	2.7006
21.27	111679	2.6064	V	7.0851	2.4909
21.83	6666	0.3844	V	0.4230	0.3671
22.77	17698	0.6605		1.1228	0.6498
24.31	29304	0.6749	V	1.8591	0.8355

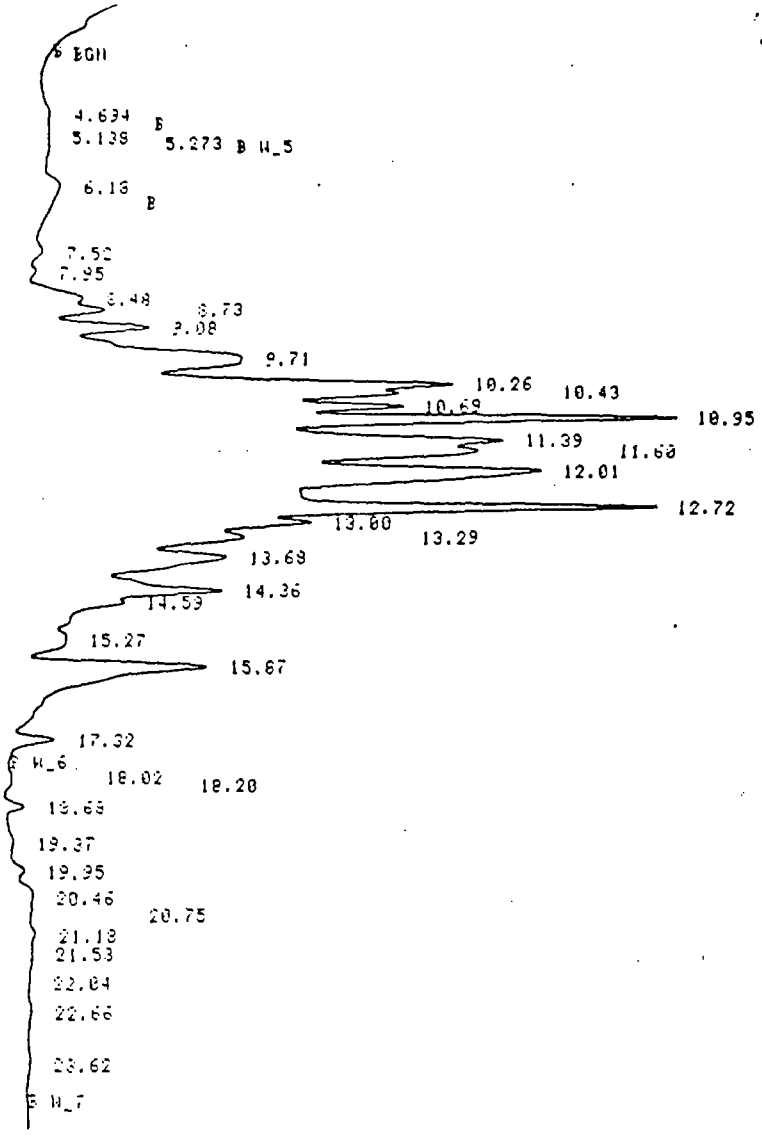
1.40µl 8051318 3:2.7



FILE 34 RUN 12 STARTED 18:00.4 80/01/02
% METHOD 1 DIESELS LAST EDITED 08:23.7 80/01/02

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
5.38	3127	0.2403	V	0.0577	0.0550
5.74	626	0.0764	V	0.0115	0.0175
6.31	25031	1.0210		0.4618	0.3023
6.97	7332	0.3685		0.1353	0.0843
7.53	28374	1.7535	V	0.5234	0.4013
7.96	11075	1.1329	V	0.2043	0.2592
8.50	16932	1.8373	V	0.3124	0.4204
8.74	66229	6.8191	V	1.2218	1.5605
9.10	149135	14.7670	V	2.7513	3.3793
9.73	432379	21.3369	V	8.0592	4.8832
10.28	164294	22.5856	V	3.0310	5.1685
10.44	51209	8.0169	V	0.9447	1.8346
10.71	128830	17.3574	V	2.3767	3.9720
10.97	615534	69.8436	V	11.3557	15.9843
11.41	152558	18.9290	V	2.8145	4.3317
11.63	146832	14.6079	V	2.7088	3.3423
12.03	767108	44.8995	V	14.1520	10.2747
12.74	732239	75.0438	V	13.5087	17.1729
13.02	76465	10.6161	V	1.4107	2.4294
13.32	96241	9.4149	V	1.7755	2.1545
13.71	315212	17.8836	V	5.8152	4.0925
14.38	252478	22.0203	V	4.6578	5.0392
14.61		2.3333	V		0.5339
15.26	91046	3.0498	V	1.6797	0.6979
15.93	796434	30.5953	V	14.6941	6.9877
17.33	91367	8.5270	V	1.6856	1.9513
18.03	2891	0.4083	V	0.0533	0.0935
18.19	3735	0.4507	V	0.0689	0.1031
18.69	44056	4.1283	V	0.8128	0.9447
19.39	8545	0.7668	V	0.1576	0.1755
19.96	13012	1.7650	V	0.2401	0.4039
20.48	21439	1.1402	V	0.3955	0.2609
20.69	1164	0.1404	V	0.0215	0.0321
21.21	13325	1.0235	V	0.2569	0.2356
21.52	4204	0.3612		0.0776	0.0827
22.12	939	0.1301	V	0.0173	0.0298
22.69	26608	0.8555	V	0.4909	0.1965
23.62	11721	0.4640		0.2178	0.1061

2.10μl 805 1317
3:2.5

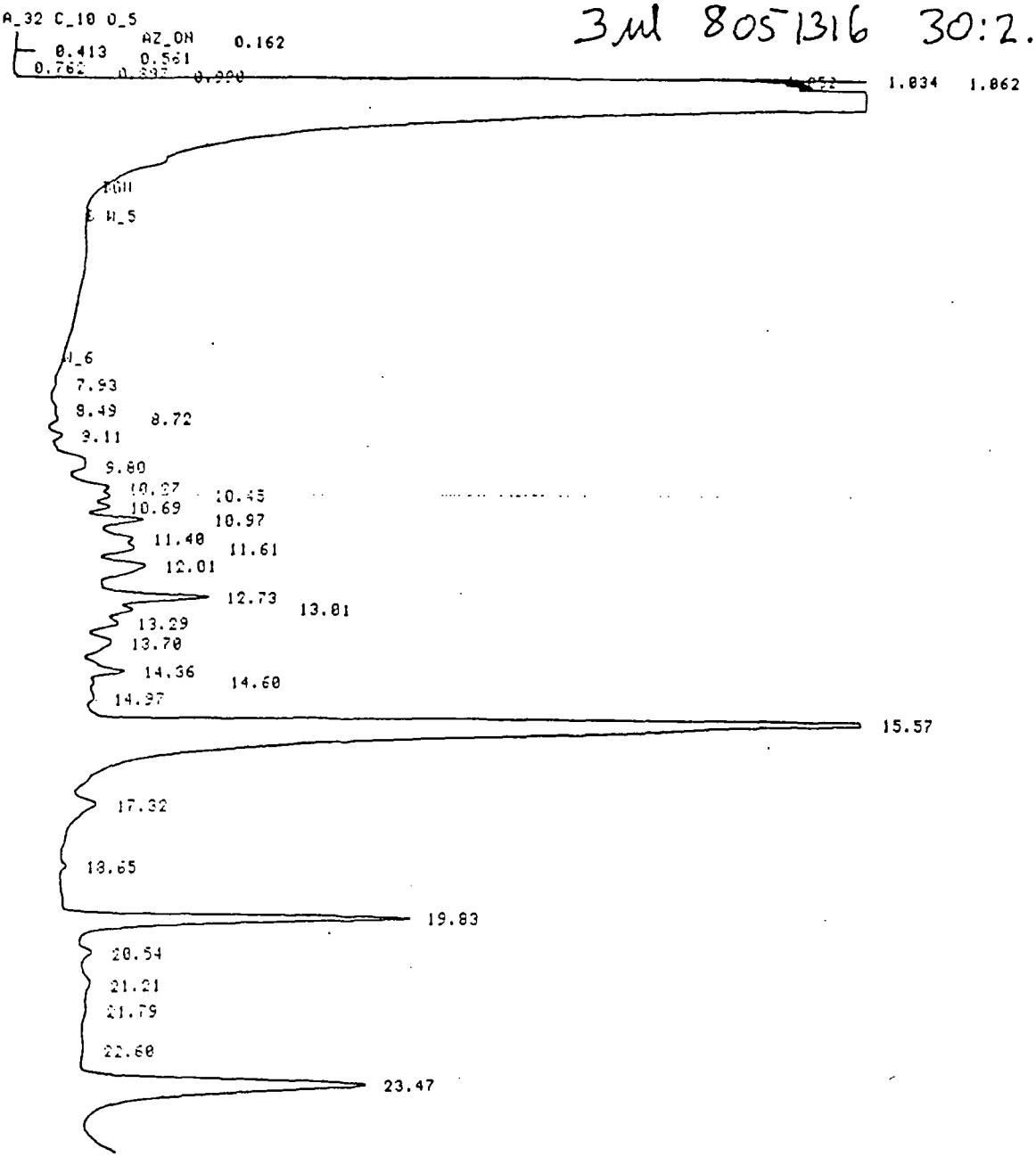


FILE 24 RUN 2 STARTED 00:55.7 80/01/02
% METHOD 1 DIESELS LAST EDITED 00:23.7 80/01/02

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.694	4541	0.5271		0.0514	0.0737
5.138	211	0.0776	V	0.0024	0.0109
5.273	241	0.0875		0.0027	0.0122
6.13	74458	3.7900		0.8428	0.5301
7.52	39800	2.6761	V	0.4505	0.3743
7.95	17849	1.8069	V	0.2020	0.2527
8.48	56752	4.9740	V	0.6424	0.6957
8.73	107663	11.5718	V	1.2186	1.6186
9.08	268295	26.0242	V	3.0368	3.6401
9.71	757440	35.3816	V	9.0262	4.9496
10.26	322822	41.1469	V	3.6540	5.7554
10.43	79551	12.7141	V	0.9004	1.7784
10.69	215779	29.3329	V	2.4424	4.1029
10.95	1003714	116.5464	V	11.3610	16.3019
11.39	239408	29.4686	V	2.7099	4.1219
11.60	221918	21.5790	V	2.5119	3.0192
12.01	1214043	71.9225	V	13.7417	10.0602
12.72	1147947	117.4844	V	12.9936	16.4331
13.00	123388	16.9430	V	1.3966	2.3699
13.29	155968	14.7083	V	1.7654	2.0573
13.68	473467	27.0861	V	5.3592	3.7887
14.36	382030	33.6773	V	4.3248	4.7106
14.59		3.4185	V		0.4782
15.27	139352	5.0556	V	1.5773	0.7071
15.87	1388306	56.6979	V	15.7142	7.9306
17.32	138291	12.3477		1.5652	1.7971
18.02	3321	0.5335	V	0.0376	0.0746
18.20	7232	0.9288	V	0.0815	0.1299
18.68	65700	6.2358	V	0.7437	0.8722
19.37	16738	1.1437	V	0.1900	0.1600
19.95	25170	2.7278	V	0.2849	0.3815
20.46	42559	1.8913	V	0.4817	0.2735
20.75	2168	0.2090	V	0.0245	0.0292
21.18	16332	1.3750	V	0.1849	0.1923
21.53	3852	0.3446	V	0.0436	0.0482
22.04	3242	0.2635	V	0.0367	0.0369
22.66	16416	0.8327	V	0.1858	0.1165
23.62	18596	0.7937		0.2105	0.1110

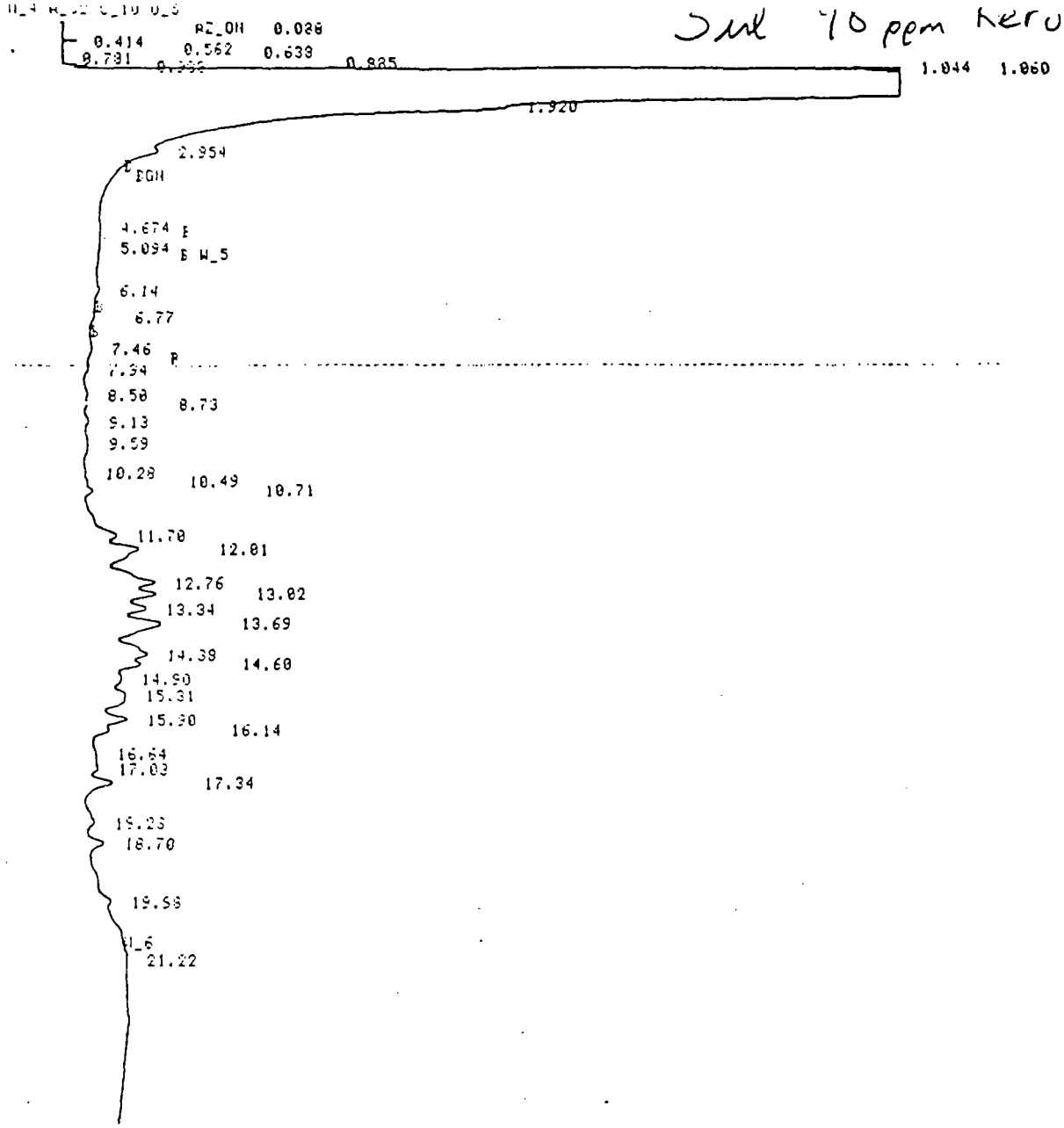
% METHOD 1 DIESELS LAST EDITED 00:08.8 80/01/01

3µl 8051316 30:2.5



FILE 18 RUN 18 STARTED 20:55.2 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:08.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
7.93	4761	0.6232	V	0.0351	0.0906
8.49	8856	0.9153	V	0.0653	0.1332
8.72	18130	2.0184	V	0.1337	0.2936
9.11	42062	4.2527	V	0.3103	0.6200
9.80	168223	7.1041	V	1.2414	1.0333
10.27	30271	4.8564	V	0.2233	0.7064
10.45	24248	3.6637	V	0.1789	0.5338
10.69	45208	6.0204	V	0.3335	0.8757
10.97	158937	17.2992	V	1.1725	2.5163
11.40	30435	4.2175	V	0.2245	0.6135
11.61	63875	6.2150	V	0.4653	0.9040
12.01	274364	16.0013	V	2.0240	2.3275
12.73	322559	33.1214	V	2.3795	4.8178
13.01	41526	5.6124	V	0.3063	0.8455
13.29	58818	5.7731	V	0.4339	0.8397
13.70	152002	8.3812	V	1.1213	1.2191
14.36	149911	12.9217	V	1.1059	1.8796
14.60	3944	1.3866	V	0.0560	0.2017
14.97	24208	1.9922	V	0.1786	0.2898
15.57	7883993	304.5331	V	58.2045	44.2977
17.32	190822	8.8052	V	1.4077	1.2808
18.65	20512	2.1622	V	0.1513	0.3145
19.83	1375777	119.9473	V	10.1491	17.4473
20.54	55603	4.4356	V	0.4102	0.6452
21.21	45492	2.4663	V	0.3356	0.3587
21.79	13192	0.8468	V	0.0973	0.1232
22.60	18514	0.8162	V	0.1366	0.1187
23.47	2319133	100.8714	V	17.1083	14.6726



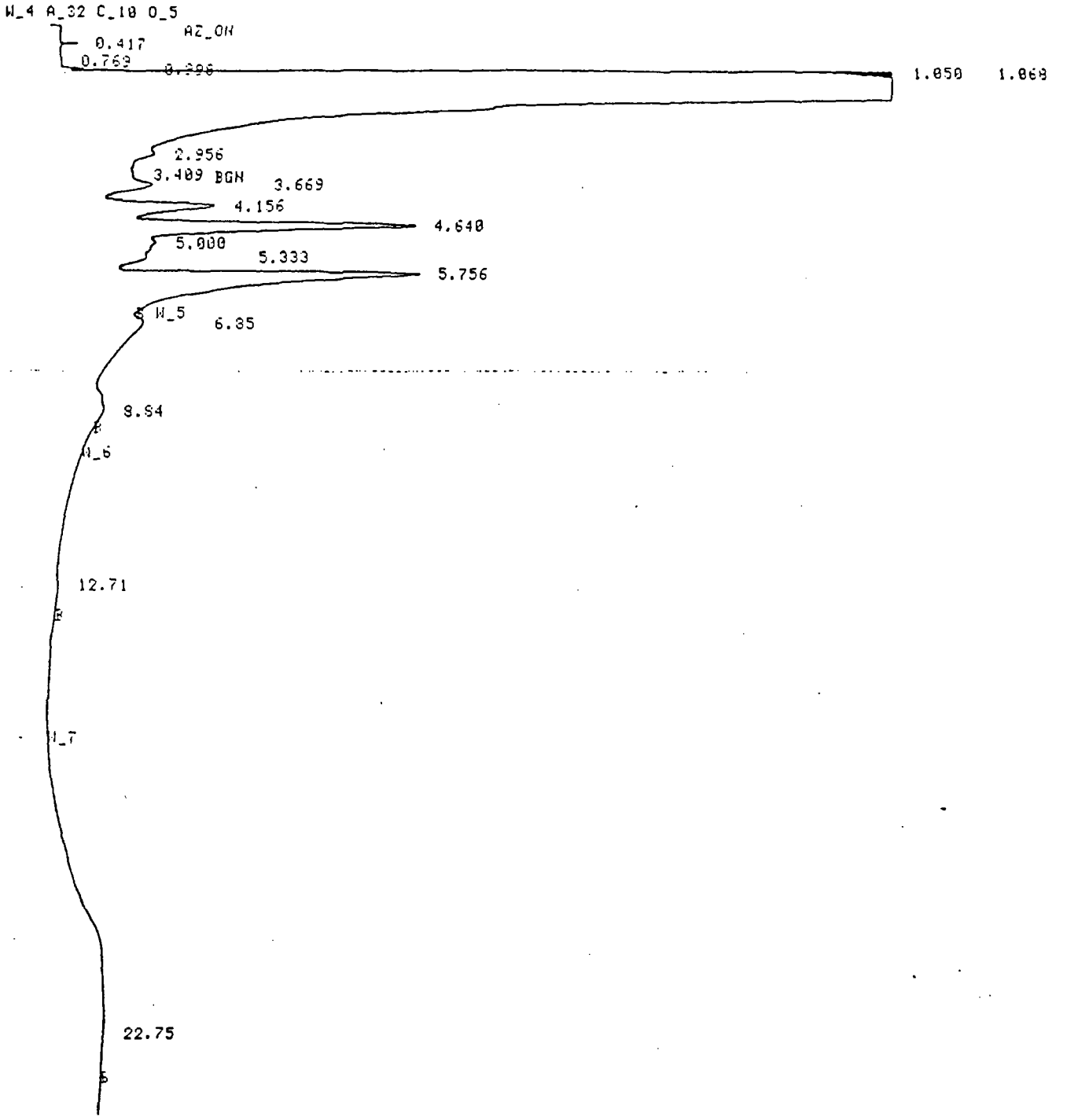
FILE 16 RUN 16 STARTED 19:35.6 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:08.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.674	394	0.0961		0.0287	0.0860
5.094	1266	0.0979		0.0923	0.0876
6.14	16407	1.3763		1.1972	1.2320
6.77	3753	0.5983		0.2739	0.5356
7.46	6501	0.4304		0.4744	0.3853
7.94	8209	0.8464	V	0.5990	0.7577
8.50	7783	0.7793	V	0.5679	0.6976
8.73	6133	0.7339	V	0.4475	0.6615
9.13	15999	1.3399	V	1.1674	1.1995
9.59	21360	1.0440	V	1.5586	0.9346
10.28	2921	0.4320	V	0.2131	0.3868
10.49	4034	0.6306	V	0.2944	0.5645
10.71	21733	2.5328	V	1.5858	2.2674
11.70	15798	4.2234	V	1.1528	3.7803
12.01	172317	10.5756	V	12.5739	9.4672
12.76	113022	8.8521	V	8.2472	7.9244
13.02	65185	7.7634	V	4.7565	6.9493
13.34	61759	6.7363	V	4.5065	6.0303
13.69	223309	13.6492	V	16.2947	12.2188
14.38	98774	6.4089	V	7.2075	5.7372
14.60	34834	4.6076	V	2.5418	4.1248
14.90	21902	1.4229	V	1.5981	1.2738
15.31	118083	5.2637	V	8.6165	4.7120
15.90	75284	7.6930	V	5.4934	6.8912
16.14		1.6929	V		1.5155
16.64	4966	0.6361	V	0.3551	0.5694
17.03	23080	1.9237	V	1.6841	1.7221
17.34	100404	8.2236	V	7.3264	7.3617
18.23	48630	2.7829	V	3.5485	2.4912
18.70	68830	5.6020	V	5.0268	5.0149
19.98		1.8146	V		1.6444

PST

3ul 118 ppm Lacquer Thinner

FILE 17 RUN 17 STARTED 20:19.8 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:08.8 80/01/01



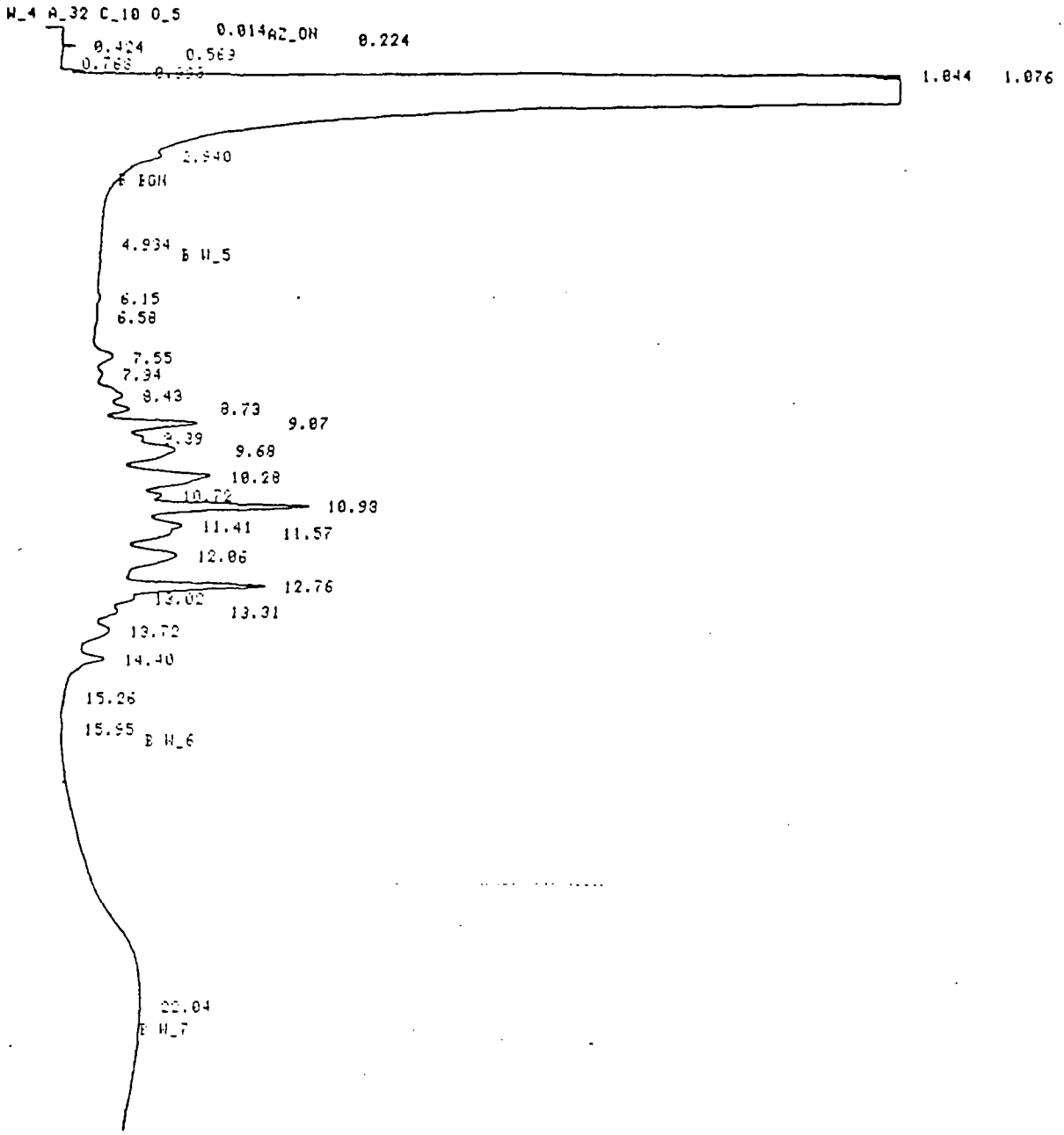
FILE 17 RUN 17 STARTED 20:18.8 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:08.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
3.669	147017	11.2059	V	2.5670	4.1035
4.156	421171	34.9722	V	7.3538	12.9001
4.640	1178028	99.3175	V	20.5688	36.6349
5.000	25927	2.2925	V	0.4527	0.8456
5.333	11547	1.4812	V	0.2016	0.5464
5.756	2235149	108.6848		39.0266	40.0301
6.85	134636	4.7998	V	2.3508	1.7705
8.84	109774	3.3960		1.9167	1.2527
12.71	15236	0.3035		0.2660	0.1120
22.75	1448761	4.6473		25.2960	1.7144

10 PEAKS > AREA REJECT 5727244 TOTAL AREA

FILE 14 RUN 14 STARTED 18:44.7 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:08.8 80/01/01

3ul 118 ppm Tt. Thinner

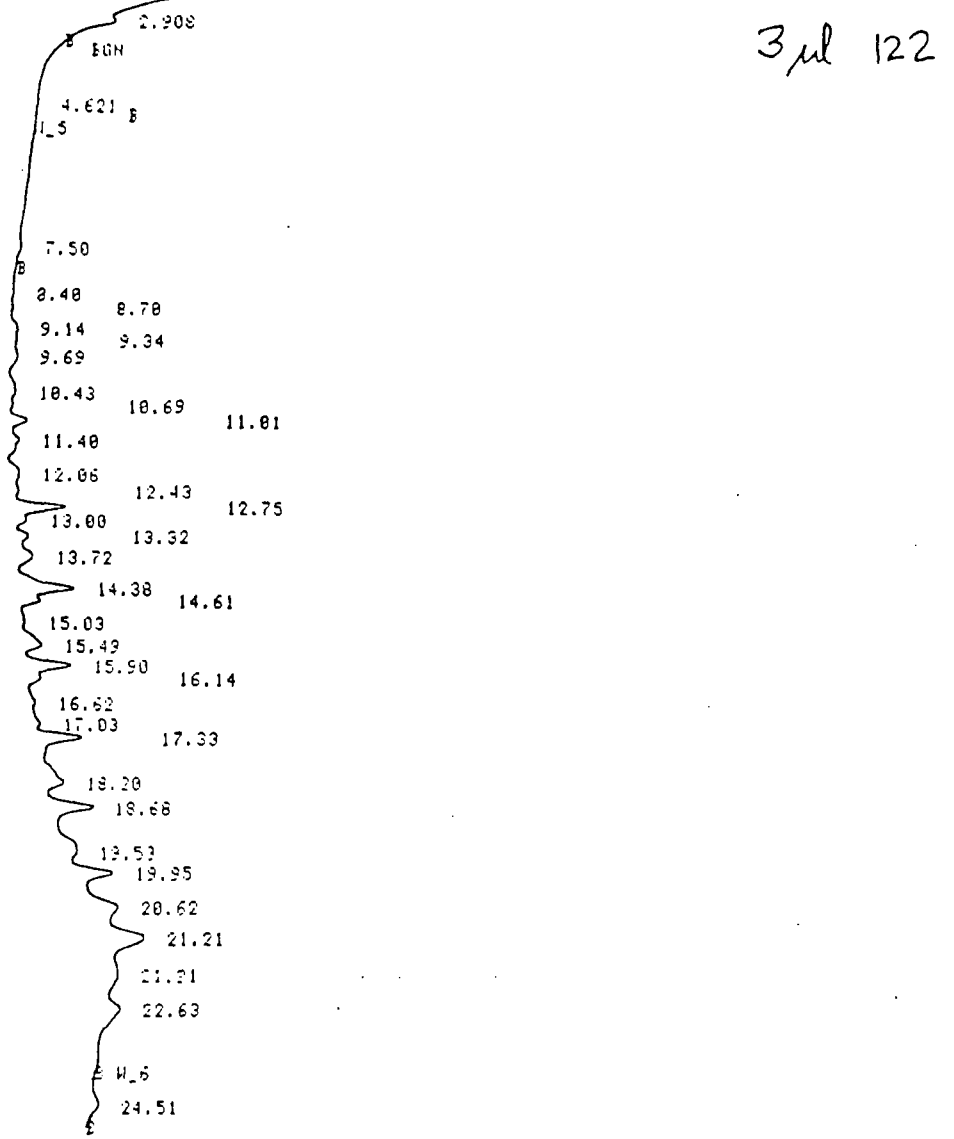


FILE 14 RUN 14 STARTED 18:44.7 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:08.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.934	1067	0.1292		0.0282	0.0502
6.15	16026	1.2155	V	0.4158	0.4719
6.58	10972	0.5161	V	0.2847	0.2004
7.55	95393	6.0236	V	2.4749	2.3386
7.94	17154	1.7617	V	0.4451	0.6839
8.43	77775	5.4472	V	2.0178	2.1148
8.73	63691	7.0021	V	1.6521	2.7184
9.07	301115	28.7653	V	7.8122	11.1676
9.39	14380	2.3727	V	0.3731	0.9212
9.68	273456	14.3316	V	7.0946	5.5640
10.28	472960	27.5566	V	12.2706	10.6983
10.72	28512	4.0544	V	0.7397	1.5748
10.98	536162	56.7639	V	13.9104	22.0375
11.41	57568	6.7414	V	1.4936	2.6172
11.57	28200	2.4565	V	0.7316	0.9537
12.06	337695	17.5322	V	8.7613	6.8065
12.76	473484	48.9610	V	12.2842	19.0082
13.02	9899	1.8284	V	0.2568	0.7099
13.31	34003	3.3715	V	0.8822	1.3083
13.72	108673	6.0706	V	2.8194	2.3568
14.40	127894	10.0904	V	3.3181	3.9174
15.26	4492	0.1995	V	0.1165	0.0736
15.95	5276	0.5123		0.1369	0.1969
22.04	758542	3.3850		19.6308	1.5083

24 PEAKS > AREA REJECT 3854403 TOTAL AREA
24 PEAKS > HEIGHT REJECT 257.5787 TOTAL HEIGHT

3 µl 122 ppm Diesel

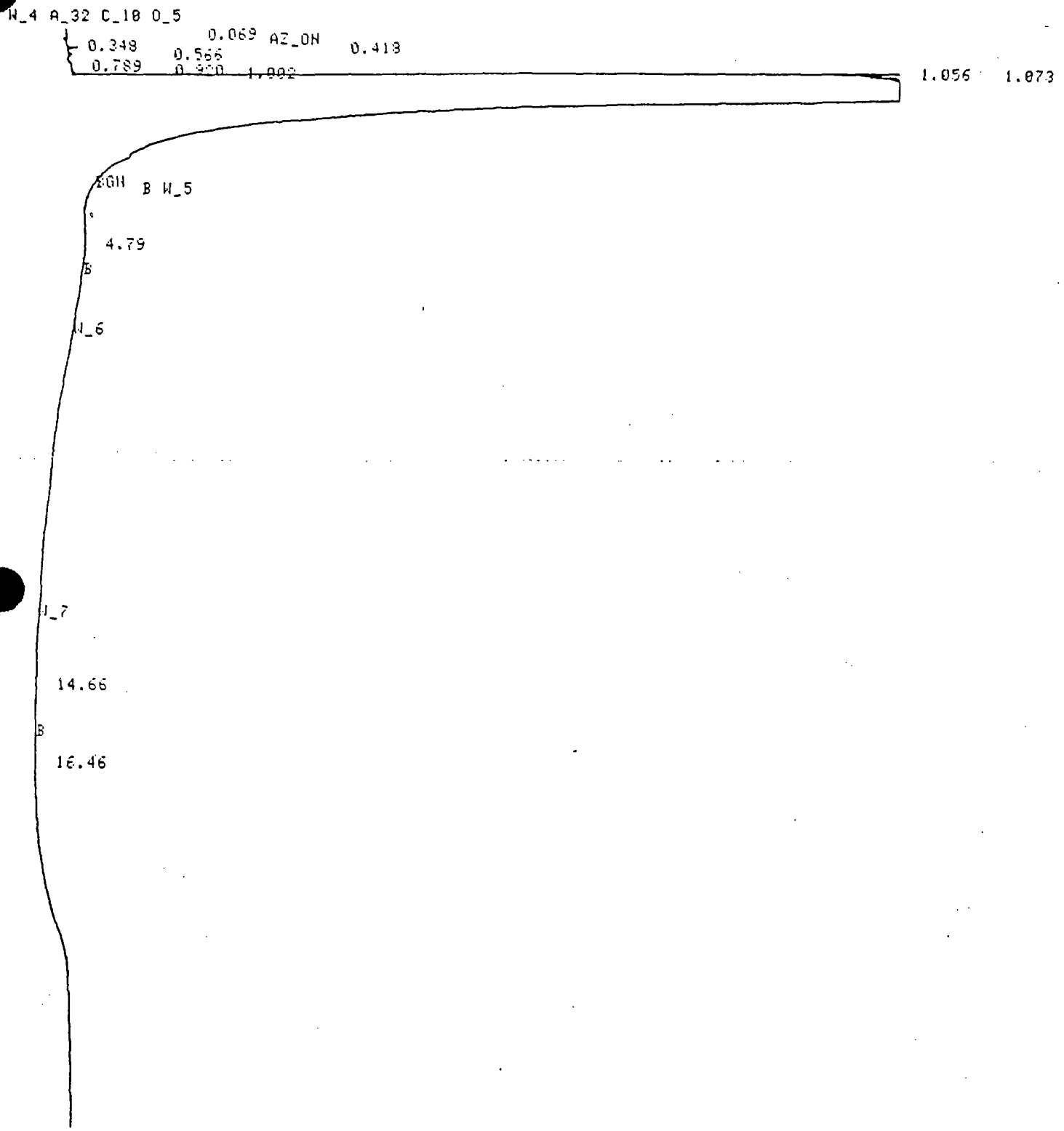


FILE 13 RUN 13 STARTED 17:58.3 80/01/01
% METHOD 1 DIESELS LAST EDITED 00:08.8 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.621	392	0.1324		0.0194	0.0855
7.50	12810	0.9625		0.6345	0.6214
8.40	4680	0.4119	V	0.2318	0.2659
8.70	4251	0.5056	V	0.2105	0.3264
9.14	11965	1.1462	V	0.5926	0.7401
9.34	2697	0.3641	V	0.1336	0.2359
9.69	29914	1.6459	V	1.4821	1.0626
10.43	33176	1.6514	V	1.6432	1.0661
10.69	5537	0.7698	V	0.2643	0.4970
11.01	53898	5.2987	V	2.6695	3.4144
11.40	49096	2.5036	V	2.4317	1.8746
12.06	37258	2.2382	V	1.8454	1.4450
12.43	8579	1.0514	V	0.4249	0.6788
12.75	134942	14.1640	V	6.6836	9.1442
13.00	8806	1.2350	V	0.4362	0.7973
13.32	29791	3.0463	V	1.4755	1.9667
13.72	62891	4.0929	V	3.1149	2.6423
14.38	157697	13.8202	V	7.8106	8.9223
14.61	17497	2.7228	V	0.8666	1.7578
15.03	11107	0.9473	V	0.5501	0.6116
15.49	86339	5.4671	V	4.2763	3.5295
15.90	115569	12.2138	V	5.7241	7.8852
16.14	12284	1.7236	V	0.6084	1.1127
16.62	13165	1.1209	V	0.6520	0.7237
17.03	13013	1.4410	V	0.6445	0.9303
17.33	154449	13.7247	V	7.6497	8.8994
18.20	103296	5.6492	V	5.1162	3.6471
18.68	160812	13.5615	V	7.9654	8.7553
19.53	63119	3.1715	V	3.1262	2.0475
19.95	126157	11.1916	V	6.2524	7.2253
20.62	60022	5.6657	V	3.9634	3.6578
21.21	197377	10.7629	V	9.7760	6.9495
21.91	53696	2.1641	V	2.6566	1.3972
22.63	97309	4.9062		4.8493	3.1829

3rd MeCl2

FILE 28 RUN 6 STARTED 04:10.1 80/01/02
% METHOD 1 DIESELS LAST EDITED 00:23.7 80/01/02



FILE 28 RUN 6 STARTED 04:10.1 80/01/02
METHOD 1 DIESELS LAST EDITED 00:23.7 80/01/02

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.79	25948	0.6193		80.7515	64.4468
14.66	4295	0.1649		13.3665	17.1555
16.46	1890	0.1768	V	5.8819	18.3976

3 PEAKS > AREA REJECT 32133 TOTAL AREA

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222 • FAX (415) 364-9233

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Reported: 06/02/88
Project: #JCO-104H

Q.C. DATA REPORT

Analyst: J. Schwarz
Date of Analysis: 5/23/88
Method of Analysis: EPA 8240
Detection Limit: 100
Units: µg/kg

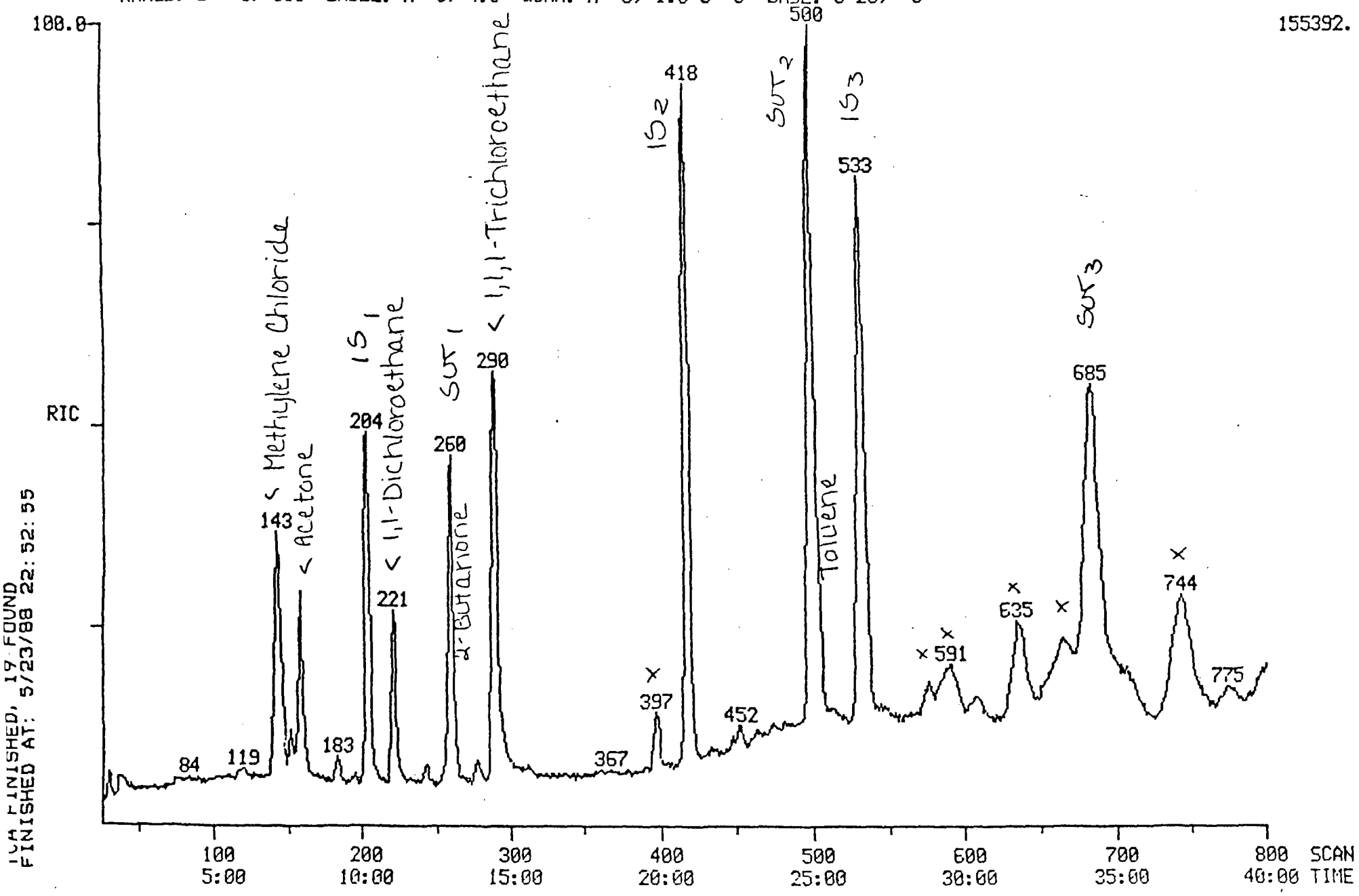
Sample Number	Analyte	Original Result	Duplicate Result	% Deviation
8050429	1,1-Dichloro ethene	24	22	6.5

Sample Number	Analyte	Sample Contribution	Spike Added	Spike Result	% Recovery
8050429	Trichloro-ethene	< 2.0	25	27	108

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

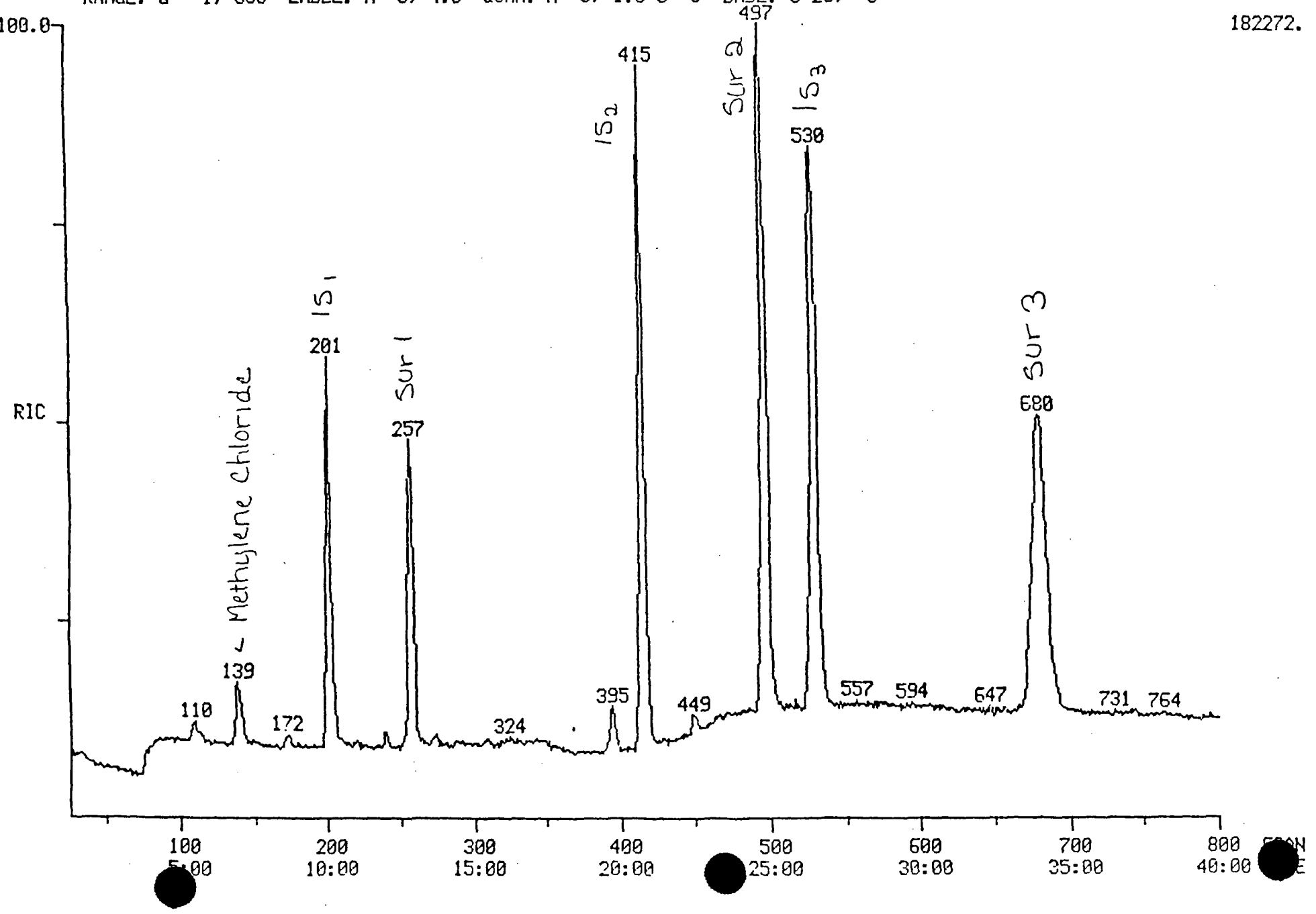
R
05/23/88 18:22:00
DATA: VOA8051316 #1 SCANS 25 TO 800
CALI: VOA8051316 #2
SAMPLE: SB-2 (200UL OF 5GM/10ML MEOH)
CONDS.: VOLATILE METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



ICA FINISHED, 19 FOUND
FINISHED AT: 5/23/88 22:52:55

RIC
05/24/88 11:20:00
SAMPLE: VOA BLANK (200UL)
CONDS.: VOLATILE METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

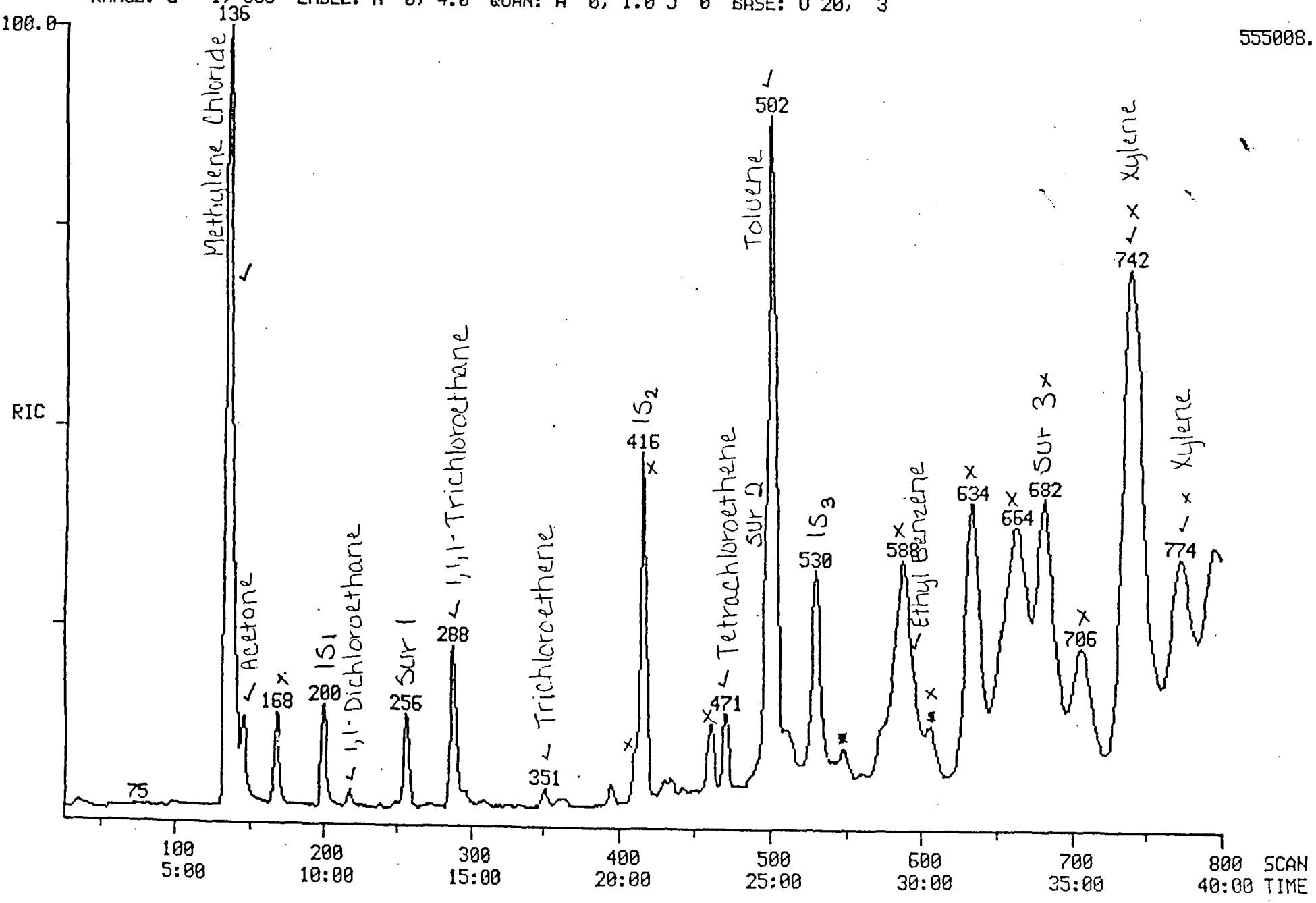
DATA: VOABLK0524 #1 SCANS 25 TO 800
CALI: VOABLK0524 #2



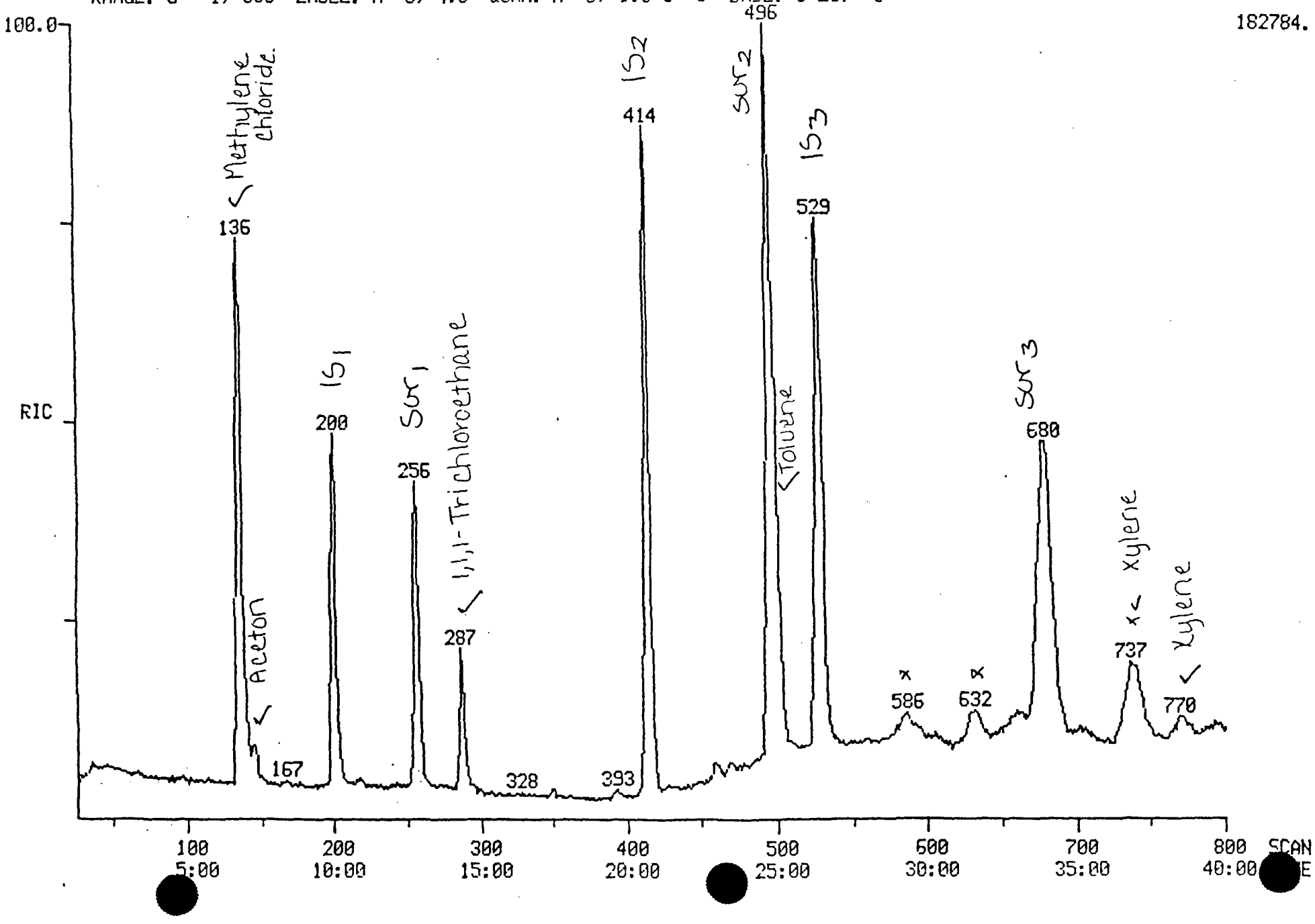
RIC
05/24/88 12:16:00
SAMPLE: SB-4 (100UL OF 5GM/10ML MEOH)
CONDS.: VOLATILE METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOA8051317 #1
CALI: VOA8051317 #2

SCANS 25 TO 800



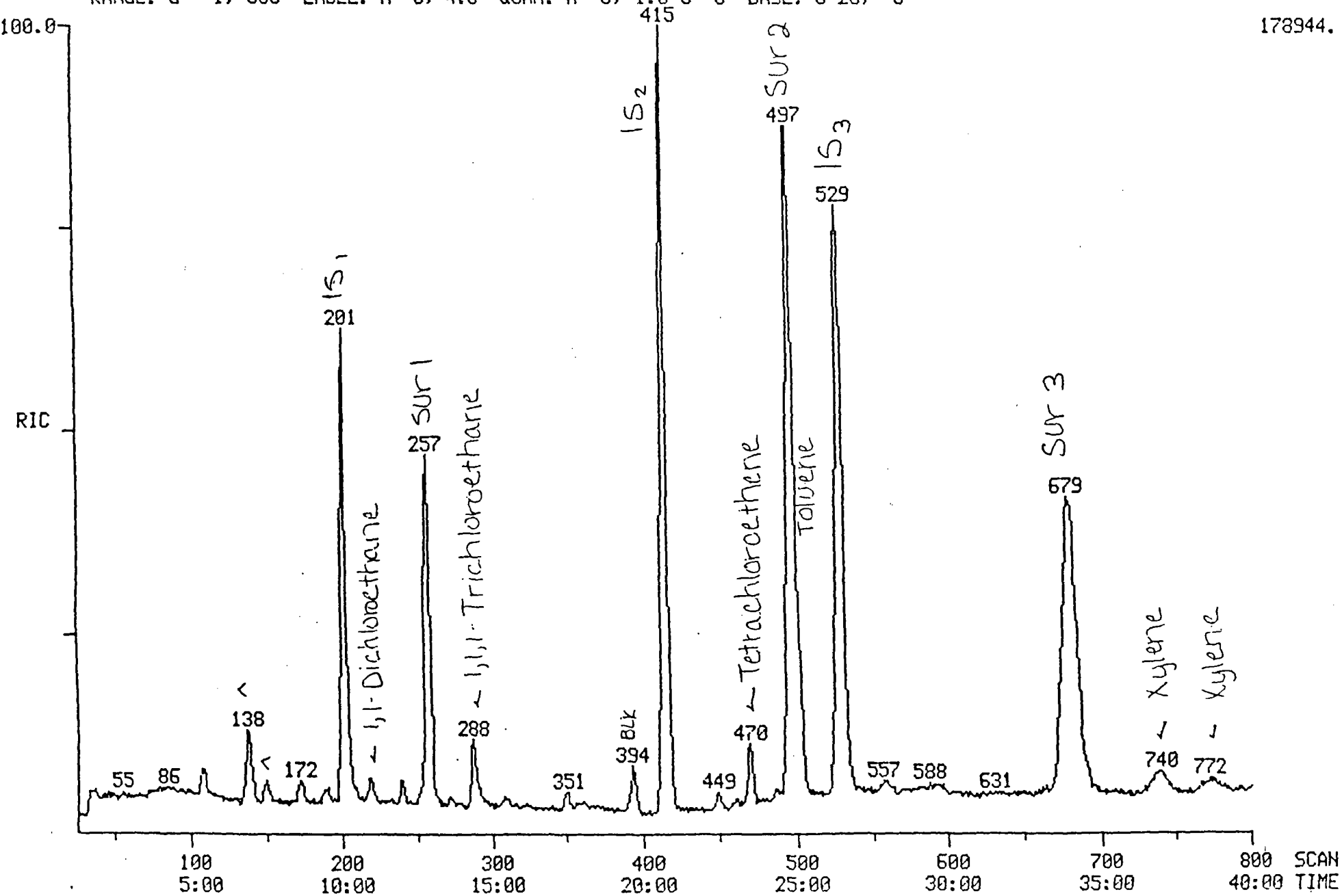
RIC DATA: VOA8051318 #1 SCANS 25 TO 800
05/24/88 21:01:00 CALI: VOA8051318 #2
SAMPLE: SB-3 (5UL OF 5GM/10ML MEOH)
CONDS.: VOLATILE METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



RIC
05/25/88 12:54:00
SAMPLE: SB-7 (200UL OF 5GM/10ML MEOH)
CONDS.: VOLATILE METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: VOA8051319 #1
CALI: VOA8051319 #2

SCANS 25 TO 800



SEQUOIA Analytical Laboratory
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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Reported: 06/02/88
Project: #JCO-104H

Q.C. DATA REPORT

Analyst: L. Saunders
Date of Analysis: 5/23/88
Method of Analysis: EPA 804
Detection Limit: 250
Units: µg/kg

Sample Number	Analyte	Original Result	Duplicate Result	% Deviation
8051319	2,4-Dimethyl Phenol	< 250	< 250	0.0

Sample Number	Analyte	Sample Contribution	Spike Added	Spike Result	% Recovery
Matrix Spike	2,4-Dimethyl Phenol	< 250	195,000	203,000	104

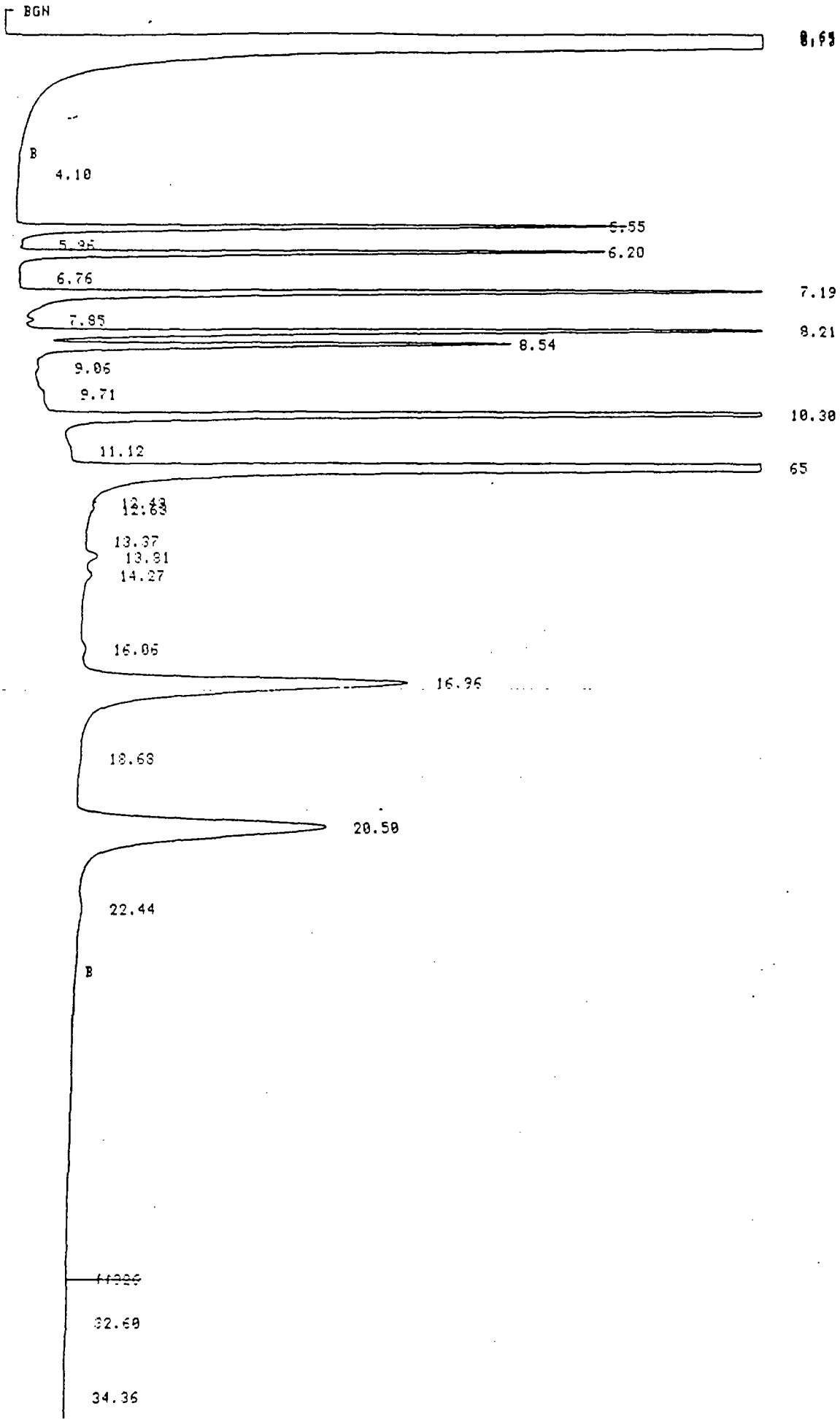
SEQUOIA ANALYTICAL LABORATORY

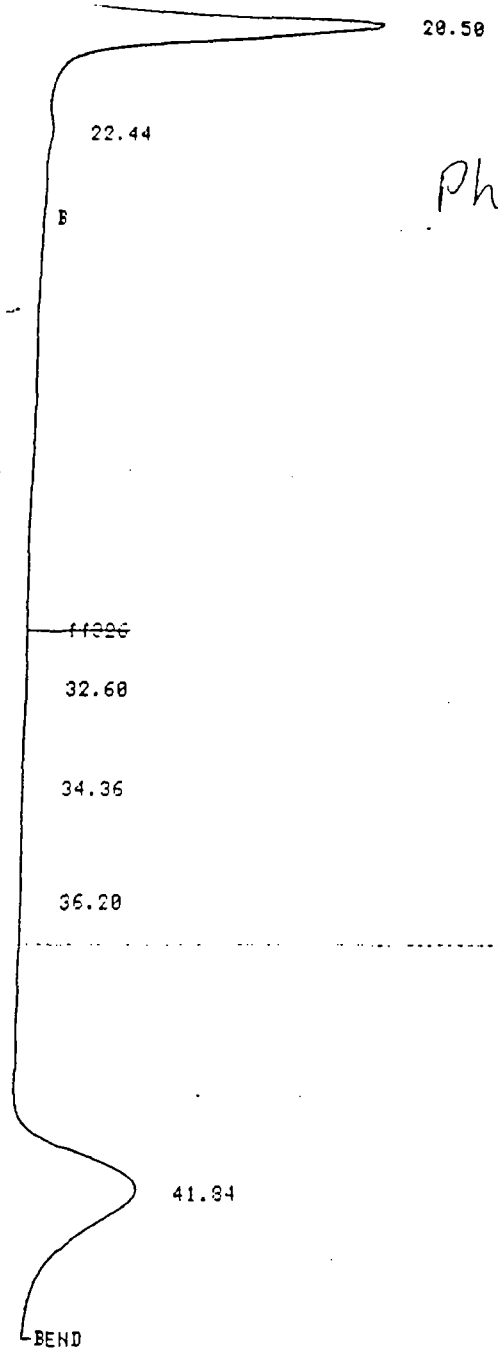
Arthur G. Burton
Laboratory Director

RUN 3 17:10 88/05/23 Phenol Mix 60H-M 1:10 4X

METHOD 3 PHENOLS 8040

A 64 C 10





Phenol mix pg. 2

RUN 3 17:10 88/05/23

METHOD 3 PHENOLS 8040 CALCULATION: %

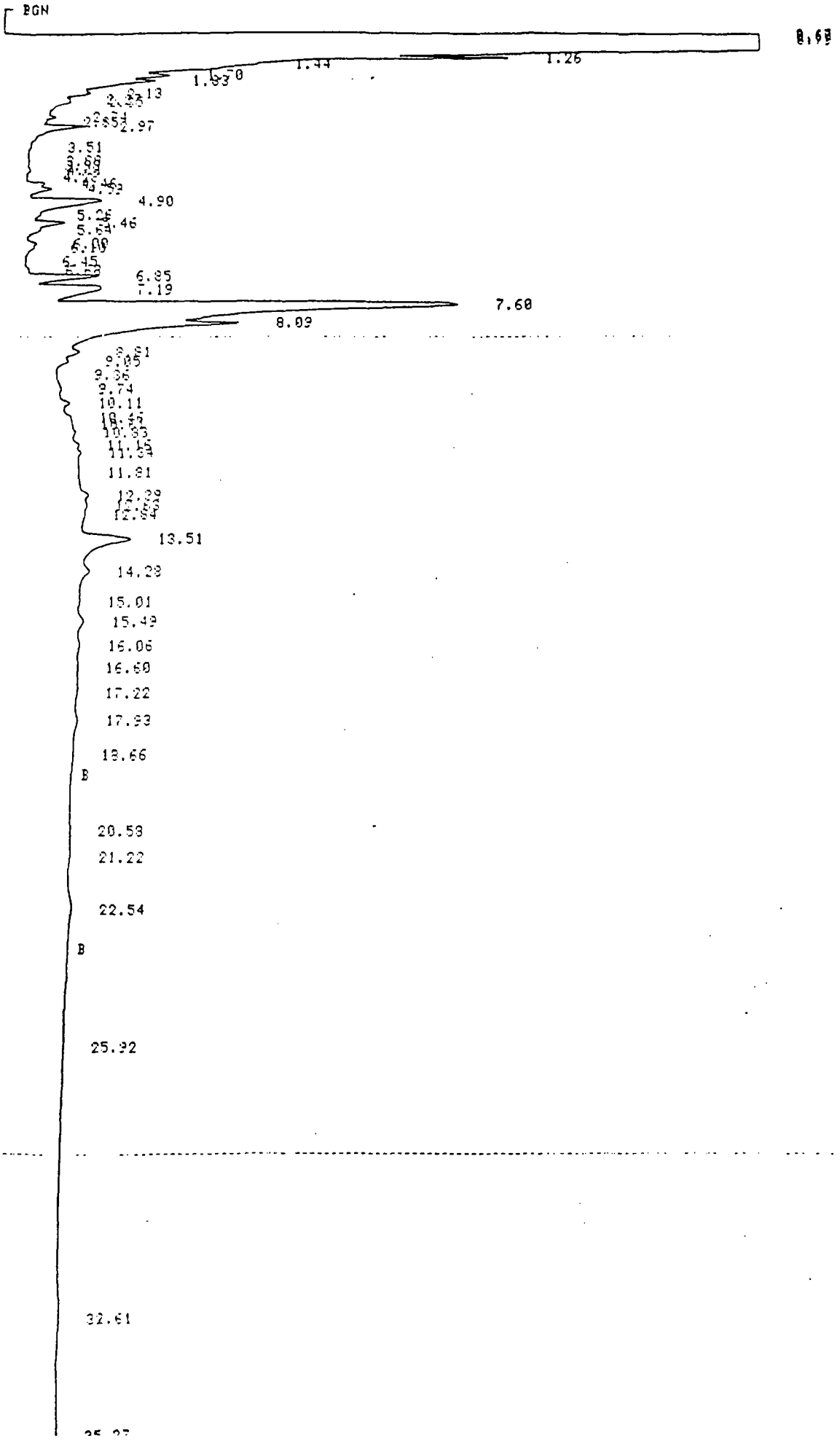
RT	AREA	BC	AREA %
0.65	676.4780	V	35.3298
0.73	1.0712	V	0.0559
5.55	65.5384	V	3.4228
6.20	60.7409	V	3.1722
7.19	94.1289	V	4.9159
7.85	0.7025	V	0.0366
8.21	86.0393	V	4.4935
8.54	51.0133	V	2.6642
10.30	135.5108	V	7.0772
11.65	349.2937	V	18.2422
12.63	0.7518	V	0.0392
13.81	2.2922	V	0.1197
16.06	0.9935	V	0.0518
16.96	129.3196	V	6.7538
20.50	124.6274	V	6.5088
22.44	1.8594		0.0971
32.60	0.7730	V	0.0403
36.20	2.0659	V	0.1078
41.84	131.5480		6.8702

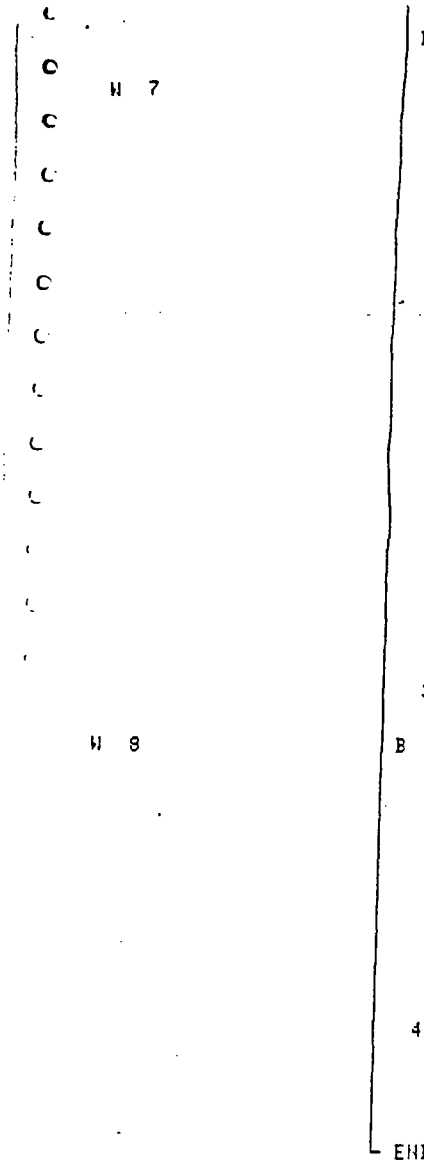
19 PEAKS > AREA/HT REJECT

RUN 5 18:52 88/05/23 8051316 30:1 LT

METHOD 3 PHENOLS 8040

A 64 C 10 BGN





805 1316 pg. 2

RUN 5 18:52 88/05/23

METHOD 3 PHENOLS 8040 CALCULATION: %

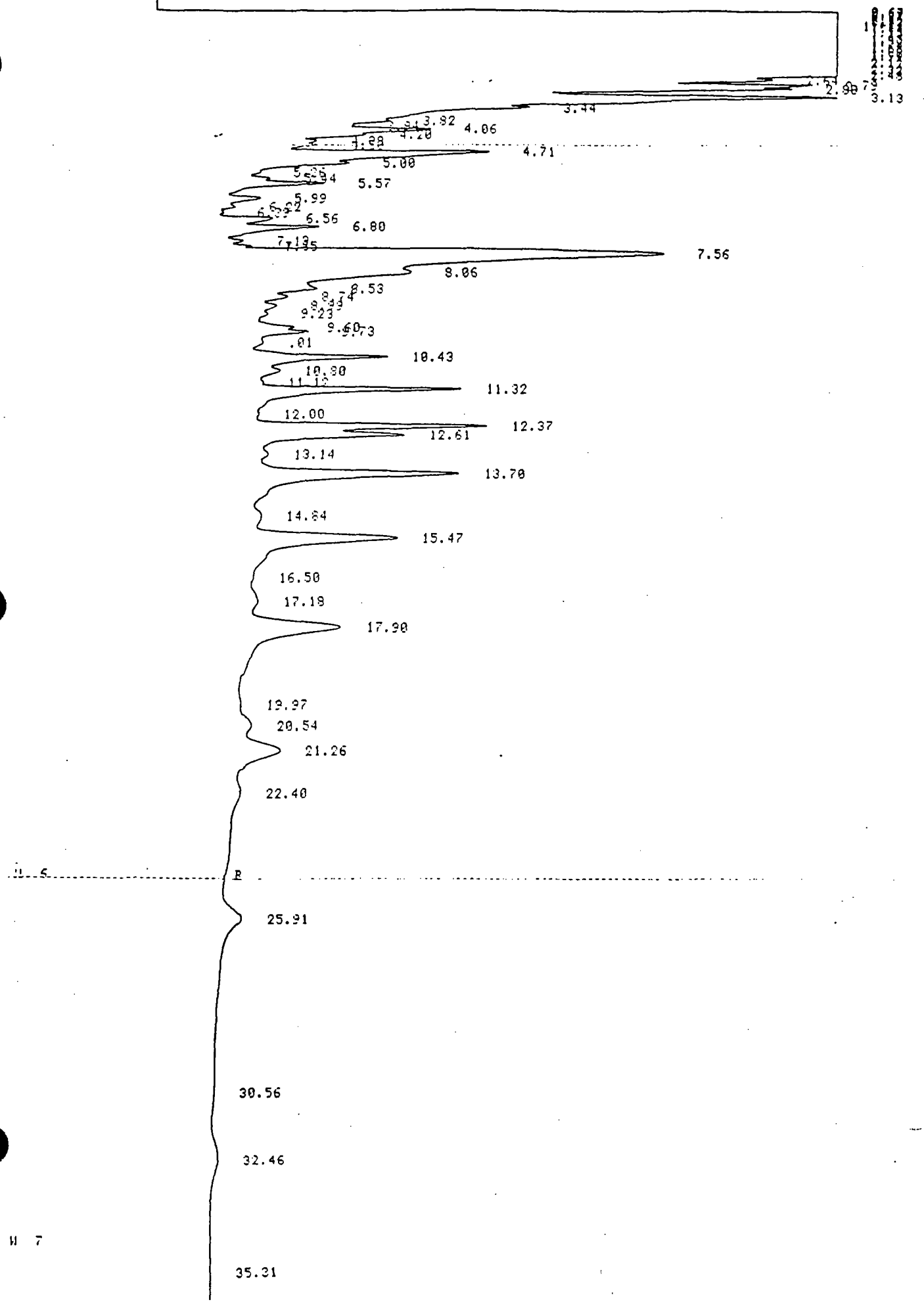
RT	AREA	BC	AREA %
0.69	624.7435	V	77.9703
1.26	5.0143	V	0.6258
1.44	1.7300	V	0.2184
1.70	1.9926	V	0.2486
1.83	2.3034	V	0.2874
2.13	1.0623	V	0.1325
2.74	0.5685	V	0.0709
2.97	5.1255	V	0.6396
4.46	0.6674	V	0.0832
4.59	1.2151	V	0.1516
4.90	13.1337	V	1.6391
5.46	2.9303	V	0.3657
6.85	8.6319	V	1.0772
7.19	13.6751	V	1.7067
7.60	91.8374	V	11.4616
8.09	0.9985	V	0.1246
8.81	1.2138	V	0.1514
9.74	0.5036	V	0.0628
10.11	0.8957	V	0.1117
11.34	0.5080	V	0.0634
13.51	12.2395	V	1.5275
14.28	1.5400	V	0.1922
15.42	1.4166	V	0.1767
16.06	0.5714	V	0.0713
17.22	0.5297	V	0.0661
17.93	1.0754	V	0.1342
22.54	2.5441		0.3175
32.61	1.9485	V	0.2431
35.27	0.6207		0.0774

22 PEAKS > 0.50%HT REJECT

METHOD 3 PHENOLS 8040

A 64 C 10 BGN

8051317 30:1 2X



8051317 pg.2

38.93

41.45

BEND

RUN 6 19:41 88/05/23

METHOD 3 PHENOLS 8040 CALCULATION: %

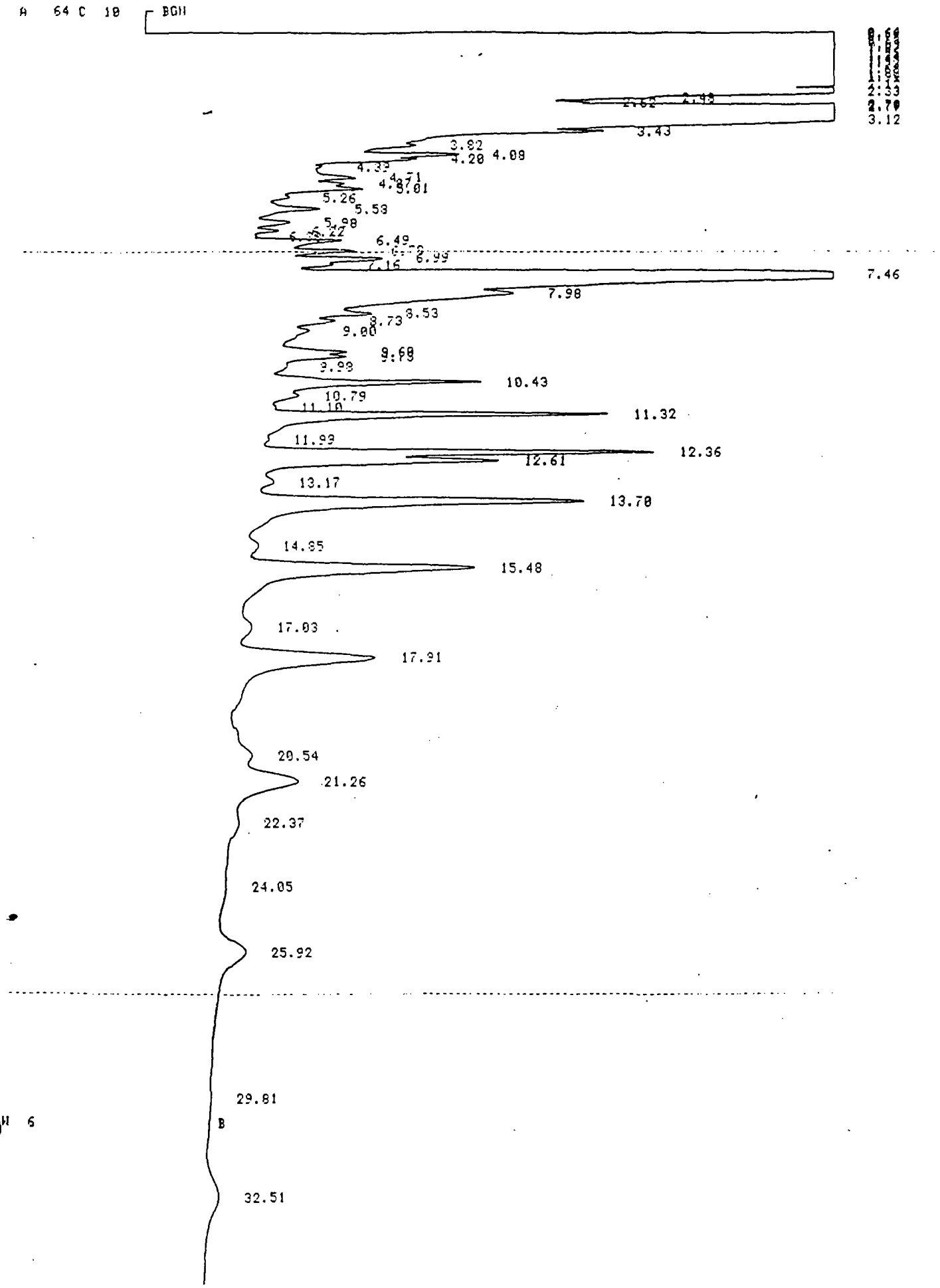
RT	AREA	BC	AREA %
0.69	595.5916	V	17.3597
0.77	749.7699	V	21.8535
0.92	210.5726	V	6.1375
0.98	434.9518	V	12.6775
1.09	200.5692	V	5.8465
1.14	18.5994	V	0.5421
1.25	259.5078	V	7.5638
1.43	33.5696	V	0.9784
1.52	27.1007	V	0.7899
1.68	136.0686	V	3.9659
1.82	51.7160	V	1.5073
1.92	4.8563	V	0.1415
2.12	55.9732	V	1.6316
2.32	69.7700	V	2.0335
2.49	0.8821	V	0.0257
2.64	3.9522	V	0.1151
2.79	6.9537	V	0.2026
2.88	4.5045	V	0.1312
3.13	53.7610	V	1.5669
3.82	0.8326	V	0.0242
4.06	7.5204	V	0.2194
4.20	1.1429	V	0.0333
4.33	0.8125	V	0.0236
4.50	1.0171	V	0.0296
4.71	30.1163	V	0.8778
5.00	0.8295	V	0.0241
5.44	0.7403	V	0.0215
5.57	7.7024	V	0.2245
5.99	4.2937	V	0.1248
6.22	0.7680	V	0.0223
6.56	6.2425	V	0.1819
6.80	11.7566	V	0.3426
7.19	1.1174	V	0.0325
7.35	0.7837	V	0.0228
7.56	121.1915	V	3.5323
8.06	6.1021	V	0.1778
8.53	3.6407	V	0.1061
8.74	1.9121	V	0.0557
8.99	1.7659	V	0.0514
9.23	0.6504	V	0.0189
9.60	0.9742	V	0.0283
9.73	2.1381	V	0.0623
10.01	0.7254	V	0.0211
10.43	20.2067	V	0.5889
10.80	2.0995	V	0.0611
11.32	34.5586	V	1.0072
12.37	22.1467	V	0.6455
12.61	7.2686	V	0.2118
13.14	1.2048	V	0.0351
13.70	55.9365	V	1.6303
14.84	2.0754	V	0.0604
15.47	47.7913	V	1.3929
17.19	2.6630	V	0.0776
17.90	43.3360	V	1.2631
20.54	2.7453	V	0.0800
21.26	18.5726	V	0.5413
22.40	4.3955		0.1281
25.91	17.2996	V	0.5042
30.56	1.6539	V	0.0482
32.46	8.2409	V	0.2401
36.40	0.9243	V	0.0269
38.93	1.5263	V	0.0444
41.45	2.7657		0.0806

RUN 7 20:29 88/05/23

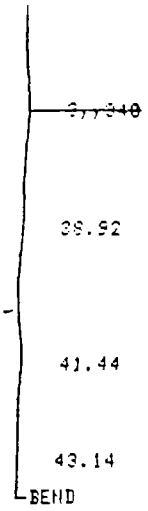
METHOD 3 PHENOLS 8040

8051318 30:1 2X

A 64 C 10



8051318 pg. 2



RUN 7 20:29 88/05/23

METHOD 3 PHENOLS 8040 CALCULATION: %

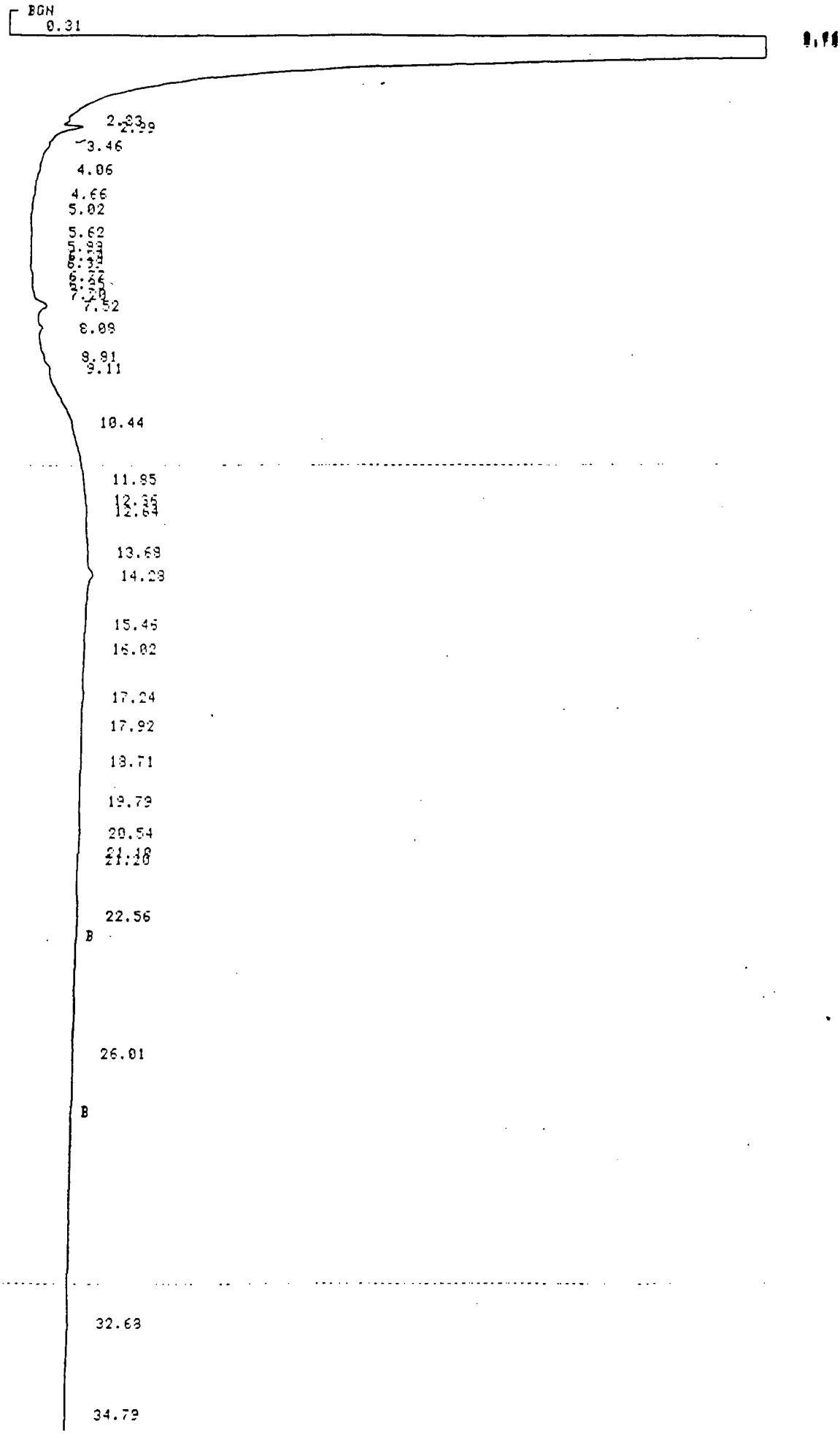
RT	AREA	BC	AREA %
0.69	192.0287	V	4.6806
0.75	1246.1920	V	30.3754
0.98	1041.5480	V	25.3873
1.07	179.8714	V	4.3842
1.25	253.7404	V	6.1848
1.34	4.4719	V	0.1090
1.43	8.8452	V	0.2155
1.52	9.6935	V	0.2362
1.68	77.3885	V	1.8863
1.82	32.7944	V	0.7993
2.12	27.5174	V	0.6707
2.33	43.5442	V	1.0613
2.48	0.7945	V	0.0193
2.62	0.9328	V	0.0227
2.70	6.8691	V	0.1674
2.77	239.5907	V	5.8399
3.12	3.6968	V	0.0901
3.82	1.3127	V	0.0319
4.08	7.3637	V	0.1794
4.20	2.0801	V	0.0507
4.71	4.2714	V	0.1041
4.87	1.2642	V	0.0308
5.01	3.8093	V	0.0928
5.26	0.9946	V	0.0242
5.58	9.4651	V	0.2307
5.98	4.6971	V	0.1144
6.22	2.0056	V	0.0488
6.49	10.1638	V	0.2477
6.78	6.6223	V	0.1614
6.99	8.6811	V	0.2115
7.16	0.8992	V	0.0219
7.46	190.3788	V	4.6404
7.98	12.6142	V	0.3074
8.53	4.3911	V	0.1070
8.73	2.7142	V	0.0661
9.00	3.3649	V	0.0820
9.60	2.9372	V	0.0715
9.73	1.7594	V	0.0428
9.98	0.7818	V	0.0190
10.43	30.2298	V	0.7368
10.79	1.8982	V	0.0462
11.32	54.9905	V	1.3403
12.36	37.5792	V	0.9159
12.61	9.7652	V	0.2380
13.17	2.3492	V	0.0572
13.70	86.0197	V	2.0966
14.85	2.6762	V	0.0652
15.46	70.2700	V	1.0592
17.03	4.5503	V	0.1109
17.91	65.4150	V	1.5944
20.54	2.9381	V	0.0691
21.26	27.1681	V	0.6622
24.05	1.4056	V	0.0342
25.92	25.0723	V	0.6111
32.51	15.5169	V	0.3782
36.67	3.9178	V	0.0954
41.44	2.8677	V	0.0699

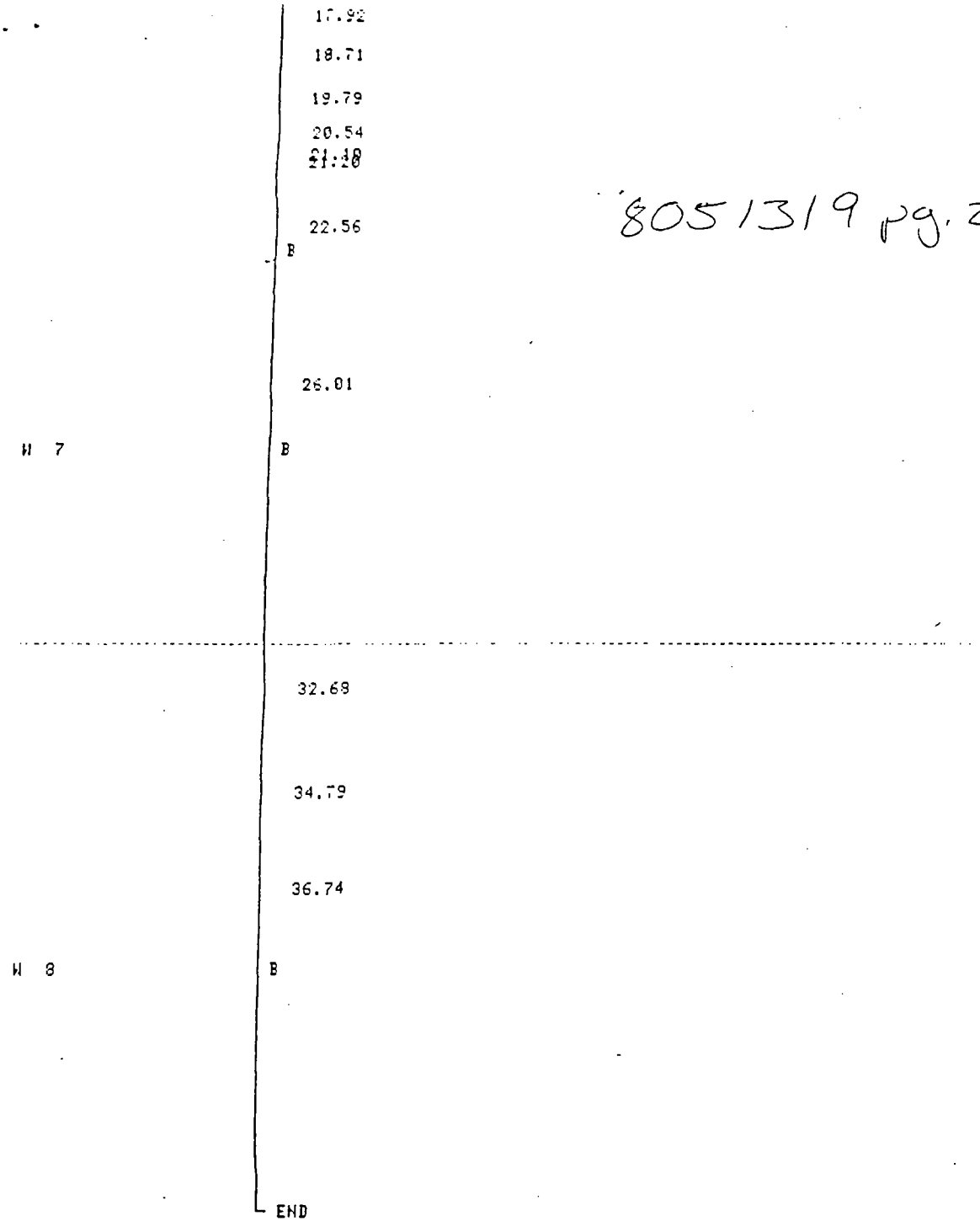
57 PEAKS > AREA/HT REJECT

RUN 8 21:17 88/05/23 8051319 30:1 2λ

METHOD 3 PHENOLS 8040

A 64 C 10





8051319 pg. 2

RUN 8 21:17 88/05/23

METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.70	204.1156	V	94.0845
0.73	0.5440	V	0.2507
2.99	2.3738	V	1.0941
7.52	2.4626	V	1.1351
8.03	0.6697	V	0.3087
11.85	1.5724	V	0.7247
14.28	1.6995	V	0.7834
20.54	0.5454	V	0.2514
22.56	0.7914		0.3647
32.68	1.4085	V	0.6492
36.74	0.7660		0.3530

11 PEAKS > AREA/HT REJECT

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222 • FAX (415) 364-9233

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/17/88
Date Received: 05/18/88
Date Reported: 06/02/88
Project: #JCO-104H

Q.C. DATA REPORT

Analyst: N. Borkman
Date of Analysis: 5/30/88
Method of Analysis: Alcohols by G.C.
Detection Limit: 1.0
Units: mg/kg

Sample Number	Analyte	Original Result	Duplicate Result	% Deviation
8051401	Acetone	< 1.0	< 1.0	0.0

Sample Number	Analyte	Sample Contribution	Spike Added	Spike Result	% Recovery
8051401	Acetone	< 1.0	10	11.4	114

SEQUOIA ANALYTICAL LABORATORY

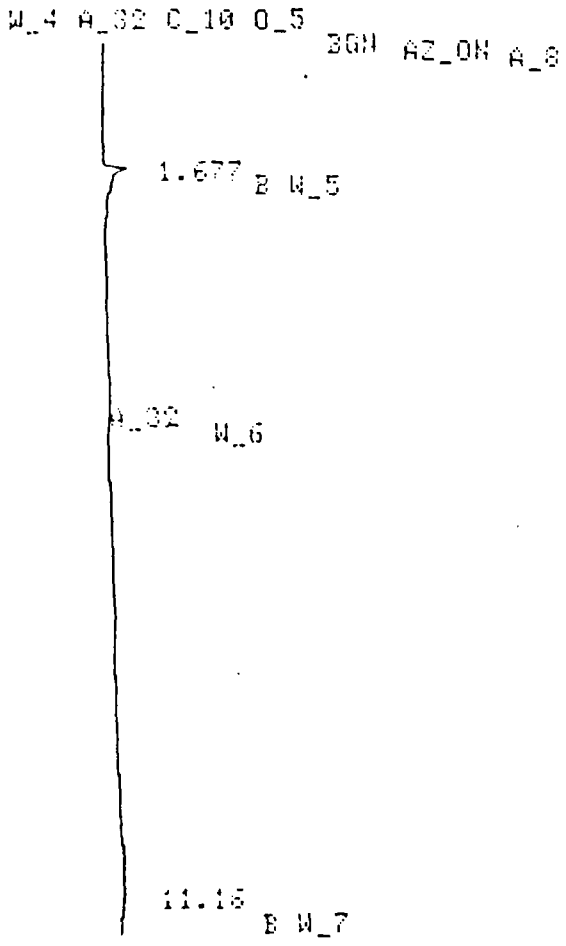
Scot Cocanour

Arthur G. Burton
Laboratory Director

WAHLER ALCOHOL / ACETONE

8051316 - 13/9 5/31

FILE 107 RUN 7 STARTED 15:34.8 88/05/31 WAHLER PREP
% METHOD 2 ALCOHOLS LAST EDITED 11:55.6 88/05/31



H_2O blank

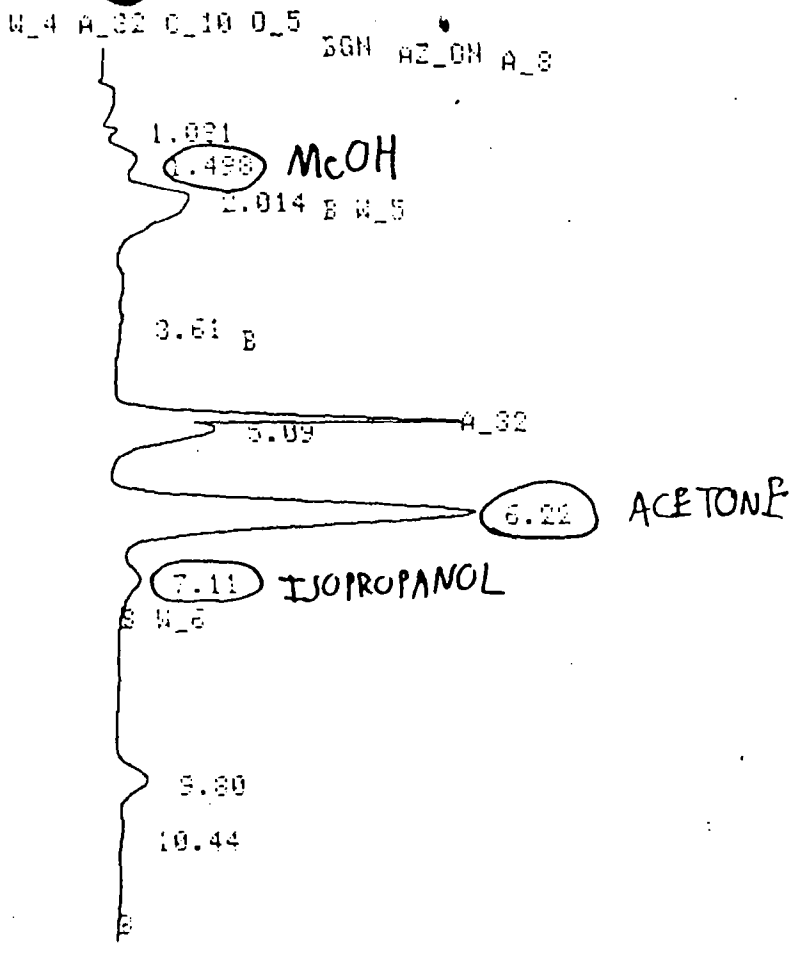
FILE 107 RUN 7 STARTED 15:34.8 88/05/31 WAHLER PREP
% METHOD 2 ALCOHOLS LAST EDITED 11:55.6 88/05/31

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
1.677	5711			28.2029	
11.16	14538			71.7961	

2 PEAKS > AREA REJECT 20249 TOTAL AREA
0 PEAKS > HEIGHT REJECT 0.0000 TOTAL HEIGHT

FILE 108 RUN 8 STARTED 16:13.4 88/05/31 WAHLER PREP
% METHOD 2 ALCOHOLS LAST EDITED 11:55.6 88/05/31

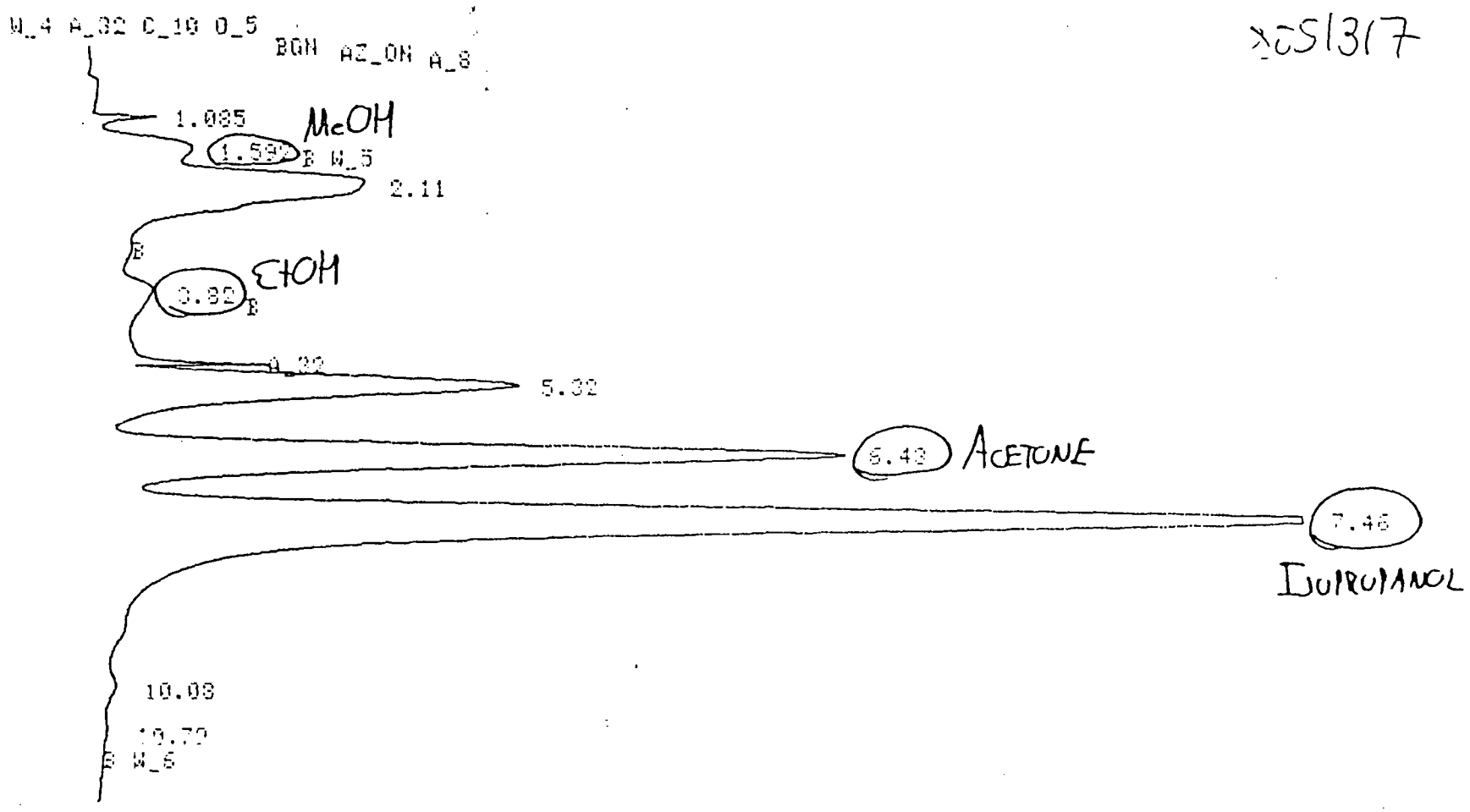
8051316



FILE 108 RUN 8 STARTED 16:13.4 88/05/31 WAHLER PREP
% METHOD 2 ALCOHOLS LAST EDITED 11:55.6 88/05/31

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
1.091	8712		U	0.1502	
1.498	15161		U	0.6133	
2.014	19260			0.7791	
3.61	2278			0.0922	
5.09	520447		U	21.0539	
6.22	1682340		U	68.0564	
7.11	71116			2.8769	
9.80	135044		U	5.4630	
10.44	22621			0.9151	

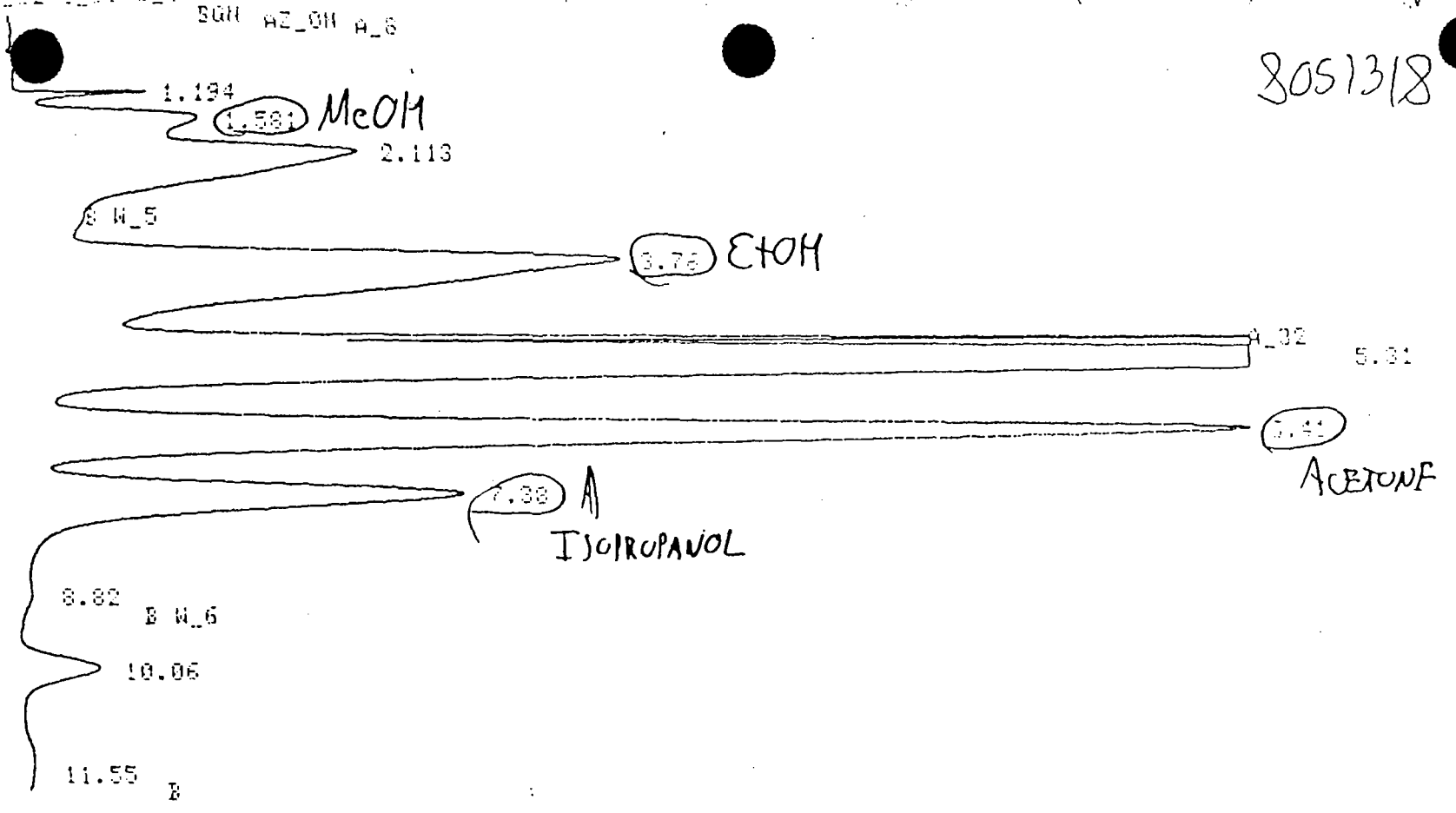
% METHOD 2 ALCOHOLS LAST EDITED 11:55.6 88/05/31



FILE 109 RUN 9 STARTED 16:31.0 88/05/31 WAHLER PREP
% METHOD 2 ALCOHOLS LAST EDITED 11:55.6 88/05/31

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
1.085	16944		V	0.1039	
1.592	41177			0.2525	
2.11	395744			2.4272	
3.82	22425			0.1375	
5.32	2579452	103.4150	V	15.8202	17.4815
6.43	4048867	181.3883	V	24.8324	30.6623
7.46	9144036	306.7654	V	56.0819	51.8568
10.08	45705		V	0.2803	
10.73	10428			0.0640	

8051318

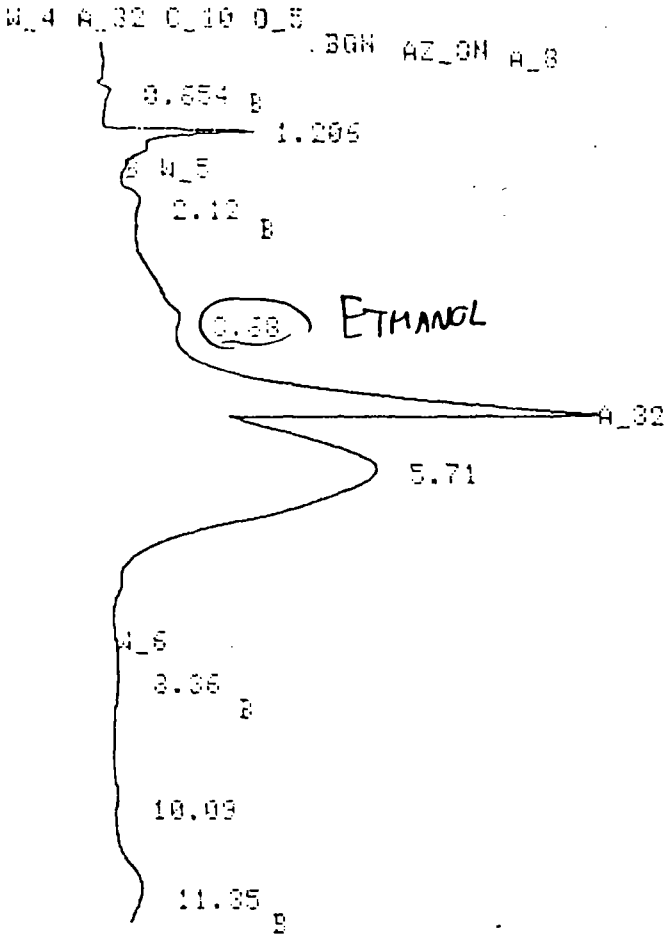


FILE 110 RUN 10 STARTED 16:48.8 88/05/31 WAHLER PREP
% METHOD 2 ALCOHOLS LAST EDITED 11:55.6 88/05/31

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
1.194	28884		V	0.1192	
1.581	96559		V	0.3984	
2.113	376838			1.5549	
3.76	1202673		V	4.9667	
				51.3460	55.9735
		504.9016	V		
	12443653				
5.31					
5.41	6799492	293.2141	V	28.0566	32.5122
7.38	2759254	103.8423	V	11.3854	11.5143

FILE 111 RUN 11 STARTED 17:07.1 88/05/31 WAHLER PREP
% METHOD 2 ALCOHOLS LAST EDITED 11:55.6 88/05/31

305 1319



FILE 111 RUN 11 STARTED 17:07.1 88/05/31 WAHLER PREP
% METHOD 2 ALCOHOLS LAST EDITED 11:55.6 88/05/31

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
0.654	4454			0.0949	
1.206	64550			1.3759	
2.12	13017			0.2775	
3.68	8787		V	0.1873	
5.71	4458409		V	95.0340	
8.36	18291			0.3899	
10.09	11361		V	0.2406	

SEQUOIA Analytical Laboratory
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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/06/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number: 80512114
Sample Description: Soil, SB-1

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg	Scan#
Acetone	500	N.D.	
Benzene	100	N.D.	
Bromodichloromethane	100	N.D.	
Bromoform	100	N.D.	
Bromomethane	100	N.D.	
2-Butanone	500	N.D.	
Carbon disulfide	100	N.D.	
Carbon tetrachloride	100	N.D.	
Chlorobenzene	100	N.D.	
Chlorodibromomethane	100	N.D.	
Chloroethane	100	N.D.	
2-Chloroethyl vinyl ether	500	N.D.	
Chloroform	500	N.D.	
Chloromethane	100	N.D.	
1,1-Dichloroethane	100	540	168
1,2-Dichloroethane	100	N.D.	
1,1-Dichloroethene	100	N.D.	
Total-1,2-Dichloroethene	100	N.D.	
1,2-Dichloropropane	100	N.D.	
cis-1,3-Dichloropropene	100	N.D.	
trans-1,3-Dichloropropene	100	N.D.	
Ethylbenzene	100	N.D.	
2-Hexanone	500	N.D.	
Methylene chloride	500	1,300	113
4-Methyl-2-pentanone	500	N.D.	
Styrene	100	N.D.	
1,1,2,2-Tetrachloroethane	100	N.D.	
Tetrachloroethene	100	N.D.	
Toluene	100	N.D.	
1,1,1-Trichloroethane	100	1,100	219
1,1,2-Trichloroethane	100	N.D.	
Trichloroethene	100	N.D.	
Trichlorofluoromethane	100	N.D.	
Vinyl acetate	100	N.D.	
Vinyl chloride	100	N.D.	
Total Xylenes	100	N.D.	

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/06/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number	Sample Description
8052114	Soil, SB-1

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

SEQUOIA ANALYTICAL LABORATORY

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Laboratory Director

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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/06/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number: 8052115
Sample Description: Soil, SB-5

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg	Scan#
Acetone	500	N.D.	
Benzene	100	N.D.	
Bromodichloromethane	100	N.D.	
Bromoform	100	N.D.	
Bromomethane	100	N.D.	
2-Butanone	500	N.D.	
Carbon disulfide	100	N.D.	
Carbon tetrachloride	100	N.D.	
Chlorobenzene	100	N.D.	
Chlorodibromomethane	100	N.D.	
Chloroethane	100	N.D.	
2-Chloroethyl vinyl ether	500	N.D.	
Chloroform	500	N.D.	
Chloromethane	100	N.D.	
1,1-Dichloroethane	100	N.D.	
1,2-Dichloroethane	100	N.D.	
1,1-Dichloroethene	100	N.D.	
Total-1,2-Dichloroethene	100	N.D.	
1,2-Dichloropropane	100	N.D.	
cis-1,3-Dichloropropene	100	N.D.	
trans-1,3-Dichloropropene	100	N.D.	
Ethylbenzene	100	N.D.	
2-Hexanone	500	N.D.	
Methylene chloride	500	N.D.	
4-Methyl-2-pentanone	500	N.D.	
Styrene	100	N.D.	
1,1,2,2-Tetrachloroethane	100	N.D.	
Tetrachloroethene	100	N.D.	
Toluene	100	N.D.	
1,1,1-Trichloroethane	100	N.D.	
1,1,2-Trichloroethane	100	N.D.	
Trichloroethene	100	N.D.	
Trichlorofluoromethane	100	N.D.	
Vinyl acetate	100	N.D.	
Vinyl chloride	100	N.D.	
Total Xylenes	100	N.D.	

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Attn: Bob Breynaert

Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/06/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number	Sample Description
8052115	Soil, SB-5

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/06/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number: 8052116
Sample Description: Soil, SB-6

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg	Scan#
Acetone	500	29,000	118
Benzene	100	N.D.	
Bromodichloromethane	100	N.D.	
Bromoform	100	N.D.	
Bromomethane	100	N.D.	
2-Butanone	500	N.D.	
Carbon disulfide	100	N.D.	
Carbon tetrachloride	100	N.D.	
Chlorobenzene	100	N.D.	
Chlorodibromomethane	100	N.D.	
Chloroethane	100	N.D.	
2-Chloroethyl vinyl ether	500	N.D.	
Chloroform	500	N.D.	
Chloromethane	100	N.D.	
1,1-Dichloroethane	100	N.D.	
1,2-Dichloroethane	100	N.D.	
1,1-Dichloroethene	100	N.D.	
Total-1,2-Dichloroethene	100	N.D.	
1,2-Dichloropropane	100	N.D.	
cis-1,3-Dichloropropene	100	N.D.	
trans-1,3-Dichloropropene	100	N.D.	
Ethylbenzene	100	98	473
2-Hexanone	500	N.D.	
Methylene chloride	500	N.D.	
4-Methyl-2-pentanone	500	N.D.	
Styrene	100	N.D.	
1,1,2,2-Tetrachloroethane	100	N.D.	
Tetrachloroethene	100	N.D.	
Toluene	100	1,600	382
1,1,1-Trichloroethane	100	N.D.	
1,1,2-Trichloroethane	100	N.D.	
Trichloroethene	100	N.D.	
Trichlorofluoromethane	100	N.D.	
Vinyl acetate	100	N.D.	
Vinyl chloride	100	N.D.	
Total Xylenes	100	700	615, 649

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/06/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number	Sample Description
8052116	Soil, SB-6

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg	Scan#
1H-Indene, Octahydro-, Trans	370	467
Cyclohexane, Propyl	480	615

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/06/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number: 8052117
Sample Description: Soil, SB-8

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg	Scan#
Acetone	500	1,200	120
Benzene	100	N.D.	
Bromodichloromethane	100	N.D.	
Bromoform	100	N.D.	
Bromomethane	100	N.D.	
2-Butanone	500	600	195
Carbon disulfide	100	N.D.	
Carbon tetrachloride	100	N.D.	
Chlorobenzene	100	N.D.	
Chlorodibromomethane	100	N.D.	
Chloroethane	100	N.D.	
2-Chloroethyl vinyl ether	500	N.D.	
Chloroform	500	N.D.	
Chloromethane	100	N.D.	
1,1-Dichloroethane	100	N.D.	
1,2-Dichloroethane	100	N.D.	
1,1-Dichloroethene	100	N.D.	
Total-1,2-Dichloroethene	100	N.D.	
1,2-Dichloropropane	100	N.D.	
cis-1,3-Dichloropropene	100	N.D.	
trans-1,3-Dichloropropene	100	N.D.	
Ethylbenzene	100	N.D.	
2-Hexanone	500	N.D.	
Methylene chloride	500	N.D.	
4-Methyl-2-pentanone	500	N.D.	
Styrene	100	N.D.	
1,1,2,2-Tetrachloroethane	100	N.D.	
Tetrachloroethene	100	N.D.	
Toluene	100	N.D.	
1,1,1-Trichloroethane	100	N.D.	
1,1,2-Trichloroethane	100	N.D.	
Trichloroethene	100	N.D.	
Trichlorofluoromethane	100	N.D.	
Vinyl acetate	100	N.D.	
Vinyl chloride	100	N.D.	
Total Xylenes	100	N.D.	

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/06/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number	Sample Description
8052117	Soil, SB-8

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number: 8052118
Sample Description: Soil, SB-9

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg	Scan#
Acetone	500	35,000	126
Benzene	100	N.D.	
Bromodichloromethane	100	N.D.	
Bromoform	100	N.D.	
Bromomethane	100	N.D.	
2-Butanone	500	1,300	197
Carbon disulfide	100	N.D.	
Carbon tetrachloride	100	N.D.	
Chlorobenzene	100	N.D.	
Chlorodibromomethane	100	N.D.	
Chloroethane	100	N.D.	
2-Chloroethyl vinyl ether	500	N.D.	
Chloroform	500	N.D.	
Chloromethane	100	N.D.	
1,1-Dichloroethane	100	610	169
1,2-Dichloroethane	100	N.D.	
1,1-Dichloroethene	100	N.D.	
Total-1,2-Dichloroethene	100	N.D.	
1,2-Dichloropropane	100	N.D.	
cis-1,3-Dichloropropene	100	N.D.	
trans-1,3-Dichloropropene	100	N.D.	
Ethylbenzene	100	1,200	477
2-Hexanone	500	N.D.	
Methylene chloride	500	6,200	114
4-Methyl-2-pentanone	500	N.D.	
Styrene	100	N.D.	
1,1,2,2-Tetrachloroethane	100	N.D.	
Tetrachloroethene	100	240	355
Toluene	100	8,200	385
1,1,1-Trichloroethane	100	140	219
1,1,2-Trichloroethane	100	N.D.	
Trichloroethene	100	N.D.	
Trichlorofluoromethane	100	N.D.	
Vinyl acetate	100	N.D.	
Vinyl chloride	100	N.D.	
Total Xylenes	100	11,000	619

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number	Sample Description
8052118	Soil, SB-9

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg	Scan#
Butanal	3,800	

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number: 8052119
Sample Description: Soil, SB-10

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg	Scan#
Acetone	1,000	86,000	119
Benzene	200	N.D.	
Bromodichloromethane	200	N.D.	
Bromoform	200	N.D.	
Bromomethane	200	N.D.	
2-Butanone	1,000	1,900	195
Carbon disulfide	200	N.D.	
Carbon tetrachloride	200	N.D.	
Chlorobenzene	200	N.D.	
Chlorodibromomethane	200	N.D.	
Chloroethane	200	N.D.	
2-Chloroethyl vinyl ether	1,000	N.D.	
Chloroform	1,000	N.D.	
Chloromethane	200	N.D.	
1,1-Dichloroethane	200	360	168
1,2-Dichloroethane	200	N.D.	
1,1-Dichloroethene	200	N.D.	
Total-1,2-Dichloroethene	200	N.D.	
1,2-Dichloropropane	200	N.D.	
cis-1,3-Dichloropropene	200	N.D.	
trans-1,3-Dichloropropene	200	N.D.	
Ethylbenzene	200	500	476
2-Hexanone	1,000	N.D.	
Methylene chloride	1,000	6,000	112
4-Methyl-2-pentanone	1,000	N.D.	
Styrene	200	N.D.	
1,1,2,2-Tetrachloroethane	200	N.D.	
Tetrachloroethene	200	N.D.	
Toluene	200	3,300	384
1,1,1-Trichloroethane	200	N.D.	
1,1,2-Trichloroethane	200	N.D.	
Trichloroethene	200	N.D.	
Trichlorofluoromethane	200	N.D.	
Vinyl acetate	200	N.D.	
Vinyl chloride	200	N.D.	
Total Xylenes	200	4,600	618, 653

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number	Sample Description
8052119	Soil, SB-10

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 500 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number: 8052120
Sample Description: Soil, SB-11

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg	Scan#
Acetone	500	N.D.	
Benzene	100	N.D.	
Bromodichloromethane	100	N.D.	
Bromoform	100	N.D.	
Bromomethane	100	N.D.	
2-Butanone	500	N.D.	
Carbon disulfide	100	N.D.	
Carbon tetrachloride	100	N.D.	
Chlorobenzene	100	N.D.	
Chlorodibromomethane	100	N.D.	
Chloroethane	100	N.D.	
2-Chloroethyl vinyl ether	500	N.D.	
Chloroform	500	N.D.	
Chloromethane	100	N.D.	
1,1-Dichloroethane	100	N.D.	
1,2-Dichloroethane	100	N.D.	
1,1-Dichloroethene	100	N.D.	
Total-1,2-Dichloroethene	100	N.D.	
1,2-Dichloropropane	100	N.D.	
cis-1,3-Dichloropropene	100	N.D.	
trans-1,3-Dichloropropene	100	N.D.	
Ethylbenzene	100	N.D.	
2-Hexanone	500	N.D.	
Methylene chloride	500	N.D.	
4-Methyl-2-pentanone	500	N.D.	
Styrene	100	N.D.	
1,1,2,2-Tetrachloroethane	100	N.D.	
Tetrachloroethene	100	N.D.	
Toluene	100	N.D.	
1,1,1-Trichloroethane	100	N.D.	
1,1,2-Trichloroethane	100	N.D.	
Trichloroethene	100	N.D.	
Trichlorofluoromethane	100	N.D.	
Vinyl acetate	100	N.D.	
Vinyl chloride	100	N.D.	
Total Xylenes	100	N.D.	

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number	Sample Description
8052120	Soil, SB-11

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number: 8052121
Sample Description: Soil, SB-12

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg	Scan#
Acetone	500	9,200	121
Benzene	100	N.D.	
Bromodichloromethane	100	N.D.	
Bromoform	100	N.D.	
Bromomethane	100	N.D.	
2-Butanone	500	1,800	194
Carbon disulfide	100	N.D.	
Carbon tetrachloride	100	N.D.	
Chlorobenzene	100	N.D.	
Chlorodibromomethane	100	N.D.	
Chloroethane	100	N.D.	
2-Chloroethyl vinyl ether	500	N.D.	
Chloroform	500	N.D.	
Chloromethane	100	N.D.	
1,1-Dichloroethane	100	N.D.	
1,2-Dichloroethane	100	N.D.	
1,1-Dichloroethene	100	N.D.	
Total-1,2-Dichloroethene	100	N.D.	
1,2-Dichloropropane	100	N.D.	
cis-1,3-Dichloropropene	100	N.D.	
trans-1,3-Dichloropropene	100	N.D.	
Ethylbenzene	100	320	474
2-Hexanone	500	N.D.	
Methylene chloride	500	680	112
4-Methyl-2-pentanone	500	N.D.	
Styrene	100	N.D.	
1,1,2,2-Tetrachloroethane	100	N.D.	
Tetrachloroethene	100	N.D.	
Toluene	100	1,600	382
1,1,1-Trichloroethane	100	N.D.	
1,1,2-Trichloroethane	100	N.D.	
Trichloroethene	100	N.D.	
Trichlorofluoromethane	100	N.D.	
Vinyl acetate	100	N.D.	
Vinyl chloride	100	N.D.	
Total Xylenes	100	2,800	615, 652

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Attn: Bob Breynaert

Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number	Sample Description
8052121	Soil, SB-12

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number: 8052122
Sample Description: Soil, SB-13

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg	Scan#
Acetone	500	750	120
Benzene	100	N.D.	
Bromodichloromethane	100	N.D.	
Bromoform	100	N.D.	
Bromomethane	100	N.D.	
2-Butanone	500	N.D.	
Carbon disulfide	100	N.D.	
Carbon tetrachloride	100	N.D.	
Chlorobenzene	100	N.D.	
Chlorodibromomethane	100	N.D.	
Chloroethane	100	N.D.	
2-Chloroethyl vinyl ether	500	N.D.	
Chloroform	500	N.D.	
Chloromethane	100	N.D.	
1,1-Dichloroethane	100	N.D.	
1,2-Dichloroethane	100	N.D.	
1,1-Dichloroethene	100	N.D.	
Total-1,2-Dichloroethene	100	N.D.	
1,2-Dichloropropane	100	N.D.	
cis-1,3-Dichloropropene	100	N.D.	
trans-1,3-Dichloropropene	100	N.D.	
Ethylbenzene	100	200	475
2-Hexanone	500	N.D.	
Methylene chloride	500	N.D.	
4-Methyl-2-pentanone	500	N.D.	
Styrene	100	N.D.	
1,1,2,2-Tetrachloroethane	100	N.D.	
Tetrachloroethene	100	N.D.	
Toluene	100	1,200	384
1,1,1-Trichloroethane	100	N.D.	
1,1,2-Trichloroethane	100	N.D.	
Trichloroethene	100	N.D.	
Trichlorofluoromethane	100	N.D.	
Vinyl acetate	100	N.D.	
Vinyl chloride	100	N.D.	
Total Xylenes	100	1,900	617, 651

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Attn: Bob Breynaert

Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number	Sample Description
8052122	Soil, SB-13

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Received: 05/24/88
Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number: 8052123
Sample Description: Soil, SB-14

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg	Scan#
Acetone	500	N.D.	
Benzene	100	N.D.	
Bromodichloromethane	100	N.D.	
Bromoform	100	N.D.	
Bromomethane	100	N.D.	
2-Butanone	500	N.D.	
Carbon disulfide	100	N.D.	
Carbon tetrachloride	100	N.D.	
Chlorobenzene	100	N.D.	
Chlorodibromomethane	100	N.D.	
Chloroethane	100	N.D.	
2-Chloroethyl vinyl ether	500	N.D.	
Chloroform	500	N.D.	
Chloromethane	100	N.D.	
1,1-Dichloroethane	100	N.D.	
1,2-Dichloroethane	100	N.D.	
1,1-Dichloroethene	100	N.D.	
Total-1,2-Dichloroethene	100	N.D.	
1,2-Dichloropropane	100	N.D.	
cis-1,3-Dichloropropene	100	N.D.	
trans-1,3-Dichloropropene	100	N.D.	
Ethylbenzene	100	N.D.	
2-Hexanone	500	N.D.	
Methylene chloride	500	N.D.	
4-Methyl-2-pentanone	500	N.D.	
Styrene	100	N.D.	
1,1,2,2-Tetrachloroethane	100	N.D.	
Tetrachloroethene	100	N.D.	
Toluene	100	N.D.	
1,1,1-Trichloroethane	100	N.D.	
1,1,2-Trichloroethane	100	N.D.	
Trichloroethene	100	N.D.	
Trichlorofluoromethane	100	N.D.	
Vinyl acetate	100	N.D.	
Vinyl chloride	100	N.D.	
Total Xylenes	100	N.D.	

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number	Sample Description
8052123	Soil, SB-14

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 05/24/88
Date Received: 05/24/88
Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number: 8052124
Sample Description: Soil, SB-15

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg	Scan#
Acetone	500	N.D.	
Benzene	100	N.D.	
Bromodichloromethane	100	N.D.	
Bromoform	100	N.D.	
Bromomethane	100	N.D.	
2-Butanone	500	N.D.	
Carbon disulfide	100	N.D.	
Carbon tetrachloride	100	N.D.	
Chlorobenzene	100	N.D.	
Chlorodibromomethane	100	N.D.	
Chloroethane	100	N.D.	
2-Chloroethyl vinyl ether	500	N.D.	
Chloroform	500	N.D.	
Chloromethane	100	N.D.	
1,1-Dichloroethane	100	N.D.	
1,2-Dichloroethane	100	N.D.	
1,1-Dichloroethene	100	N.D.	
Total-1,2-Dichloroethene	100	N.D.	
1,2-Dichloropropane	100	N.D.	
cis-1,3-Dichloropropene	100	N.D.	
trans-1,3-Dichloropropene	100	N.D.	
Ethylbenzene	100	N.D.	
2-Hexanone	500	N.D.	
Methylene chloride	500	N.D.	
4-Methyl-2-pentanone	500	N.D.	
Styrene	100	N.D.	
1,1,2,2-Tetrachloroethane	100	N.D.	
Tetrachloroethene	100	N.D.	
Toluene	100	N.D.	
1,1,1-Trichloroethane	100	N.D.	
1,1,2-Trichloroethane	100	N.D.	
Trichloroethene	100	N.D.	
Trichlorofluoromethane	100	N.D.	
Vinyl acetate	100	N.D.	
Vinyl chloride	100	N.D.	
Total Xylenes	100	N.D.	

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Received: 05/24/88
Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number	Sample Description
8052124	Soil, SB-15

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Analyzed: 06/06/88
Date Reported: 06/10/88
Project: #JCO-104H

PHENOLS

Sample Number	Sample Description
8052114	Soil, SB-1

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Reported: 06/10/88
Project: #JCO-104H

PHENOLS

Sample Number	Sample Description
8052115	Soil, SB-5

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Project: #JCO-104H

PHENOLS

Sample Number	Sample Description
8052116	Soil, SB-6

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Reported: 06/10/88
Project: #JCO-104H

PHENOLS

Sample Number	Sample Description
8052117	Soil, SB-8

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Analyzed: 06/06/88
Date Reported: 06/10/88
Project: #JCO-104H

PHENOLS

Sample Number	Sample Description
8052118	Soil, SB-9

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Received: 05/24/88
Date Extracted: 06/06/88
Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

PHENOLS

Sample Number	Sample Description
8052119	Soil, SB-10

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Project: #JCO-104H

PHENOLS

Sample Number	Sample Description
8052120	Soil, SB-11

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Reported: 06/10/88
Project: #JCO-104H

PHENOLS

Sample Number	Sample Description
8052121	Soil, SB-12

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Extracted: 06/06/88
Date Analyzed:
Date Reported: 06/10/88
Project: #JCO-104H

PHENOLS

Sample Number	Sample Description
8052122	Soil, SB-13

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

PHENOLS

Sample Number	Sample Description
8052123	Soil, SB-14

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Analyzed: 06/07/88
Date Reported: 06/10/88
Project: #JCO-104H

PHENOLS

Sample Number	Sample Description
8052124	Soil, SB-15

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Analyzed: 06/06/88
Date Reported: 06/10/88
Project: #JCO-104H

Sample Number	Sample Description	Methanol mg/kg	Ethanol mg/kg	Acetone mg/kg	Isopropanol mg/kg
	Soil				
8052114	SB-1	3.3	0.7	1.3	N.D.
8052115	SB-5	1.3	N.D.	N.D.	N.D.
8052116	SB-6	1.5	N.D.	17	N.D.
8052117	SB-8	1.2	0.6	1.2	0.8
8052118	SB-9	5.8	3.4	49	164
8052119	SB-10	9.0	N.D.	100	21
8052120	SB-11	N.D.	N.D.	N.D.	N.D.
8052121	SB-12	2.4	N.D.	14	11
8052122	SB-13	1.1	N.D.	1.2	N.D.
8052123	SB-14	0.9	N.D.	N.D.	N.D.
8052124	SB-15	0.9	N.D.	N.D.	N.D.
Detection Limits:		0.5	0.5	0.5	0.5

Method of Analysis: EPA 3810/8015 Modified

Analytes reported as N.D. Were not present above the stated limit of detection.

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Date Analyzed: 06/10/88
Date Reported: 06/10/88
Project: #JCO-104H

High Boiling Point Hydrocarbons

Sample Number	Sample Description Soil	Lacquer Thinner mg/kg	Paint Thinner mg/kg	Kerosene mg/kg	Diesel mg/kg
8052114	SB-1	N.D.	N.D.	N.D.	N.D.
8052115	SB-5	N.D.	N.D.	N.D.	N.D.
8052116	SB-6	N.D.	170	N.D.	N.D.
8052117	SB-8	N.D.	N.D.	N.D.	N.D.
8052118	SB-9	N.D.	4.0	N.D.	8.1
8052119	SB-10	N.D.	7.3	N.D.	6.1
8052120	SB-11	N.D.	N.D.	N.D.	N.D.
8052121	SB-12	N.D.	2.1	N.D.	11
8052122	SB-13	N.D.	N.D.	N.D.	N.D.
8052123	SB-14	N.D.	N.D.	N.D.	N.D.
8052124	SB-15	N.D.	N.D.	N.D.	N.D.
Detection Limits:		1.0	1.0	1.0	1.0

Method of Analysis: EPA 3810/8015 Modified

Analytes reported as N.D. Were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222 • FAX (415) 364-9233

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/24/88
Date Received: 05/24/88
Date Reported: 06/10/88
Project: #JCO-104H

Q.C. DATA REPORT

Analyst: W. Amundsen
Date of Analysis: 6/7/88
Method of Analysis: EPA 8240
Detection Limit: 2-10
Units: µg/kg

Sample Number	Analyte	Original Result	Duplicate Result	% Deviation
8052123 (Spike)	1,1-DCE	58	55	2.6
	TCE	53	51	1.9
	Benzene	56	54	1.8

Sample Number	Analyte	Sample Contribution	Spike Added	Spike Result	% Recovery
8052123	1,1 DCE	< 2.0	50	58	116
	TCE	< 2.0	50	53	106
	Benzene	< 2.0	50	56	112

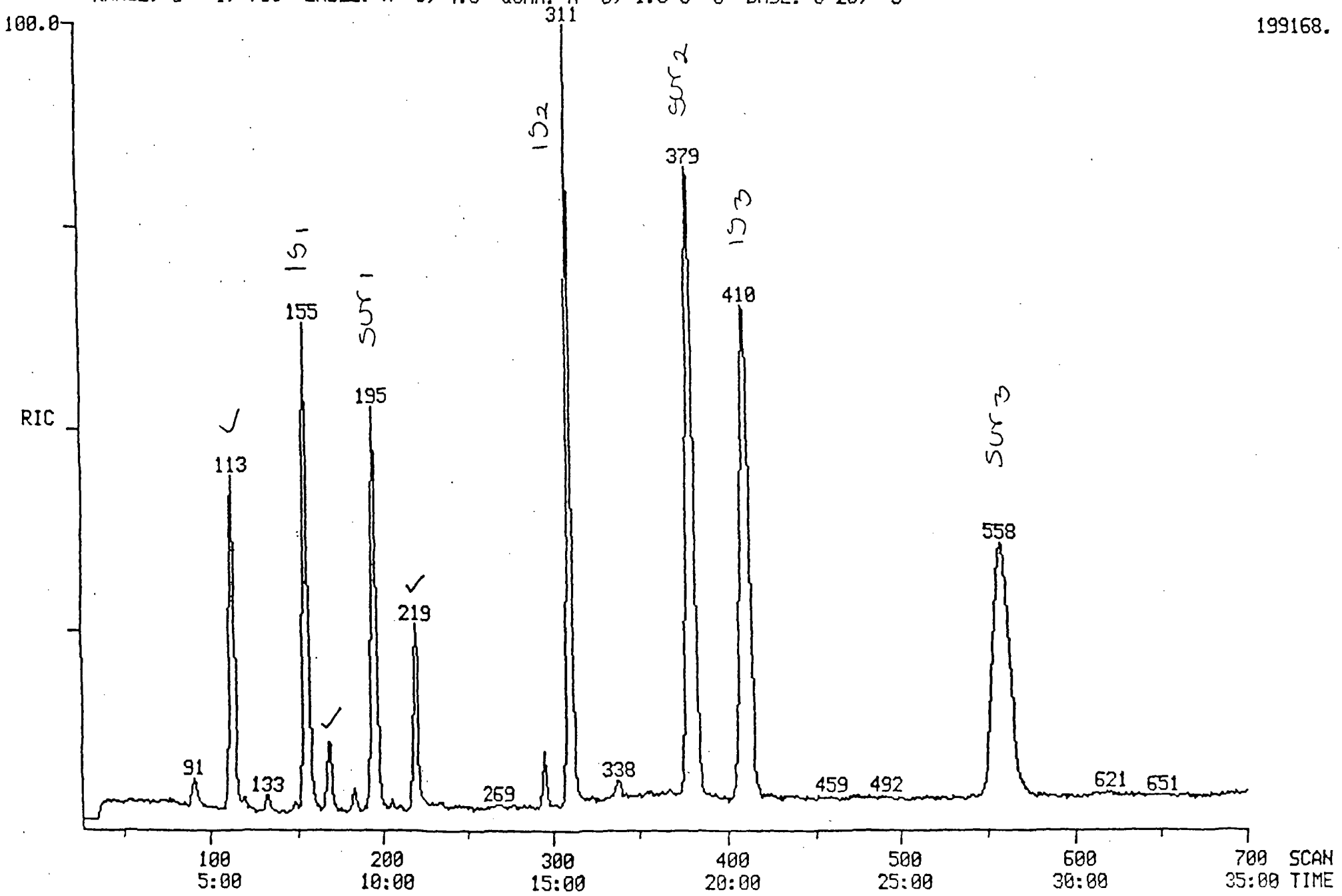
SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

RIC
06/08/88 18:14:00
SAMPLE: SB-1 (200UL OF 5GM/10ML MEOH)
CONDS.: VOLATILE METHOD
RANGE: G 1, 700 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V8052114 #1
CALI: V8052114 #2

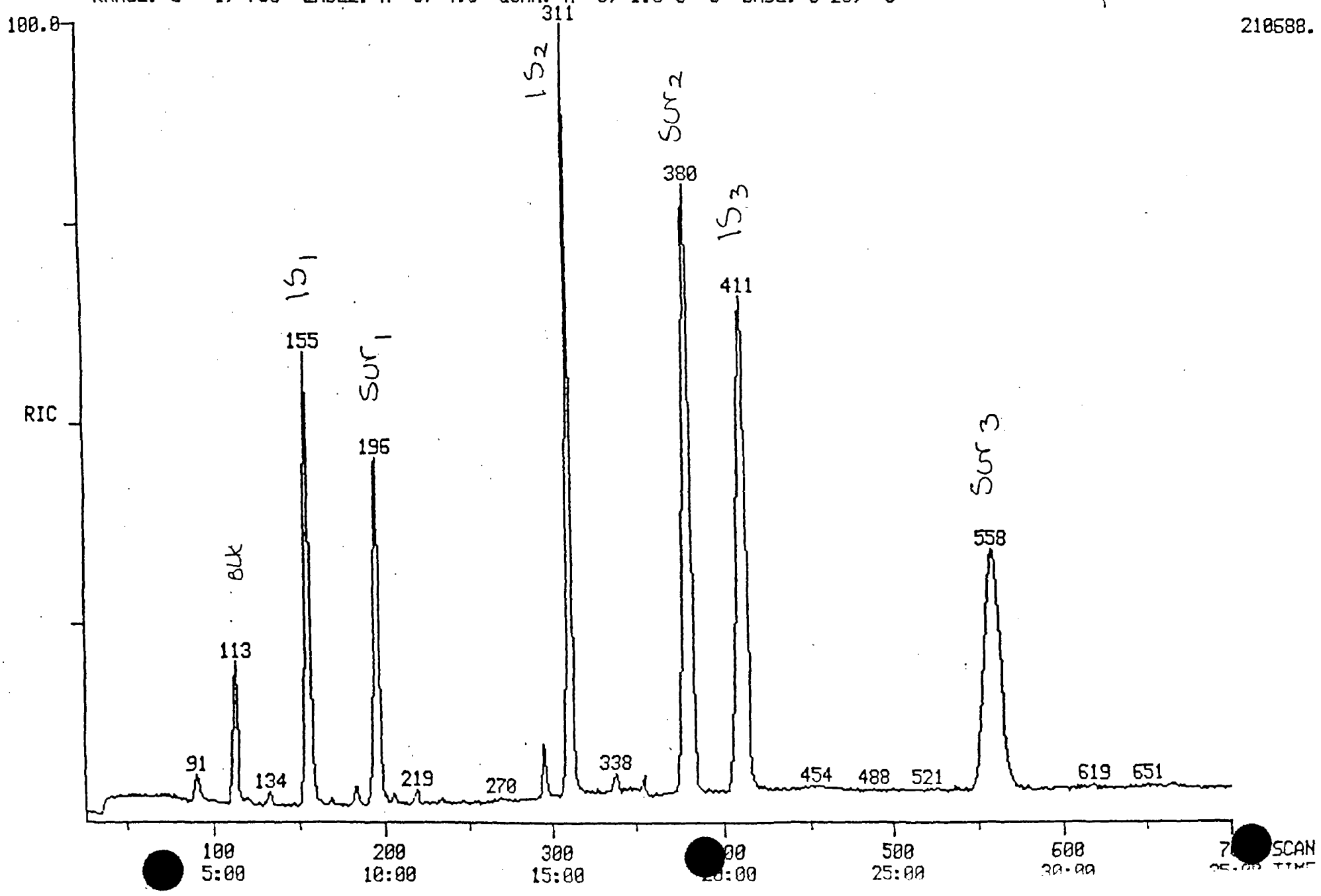
SCANS 25 TO 700



RIC
06/06/88 19:06:00
SAMPLE: SB-5 (200UL OF 5GM/10ML MEOH)
CONDS.: VOLATILE METHOD
RANGE: G 1, 700 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V8052115 #1
CALI: V8052115 #2

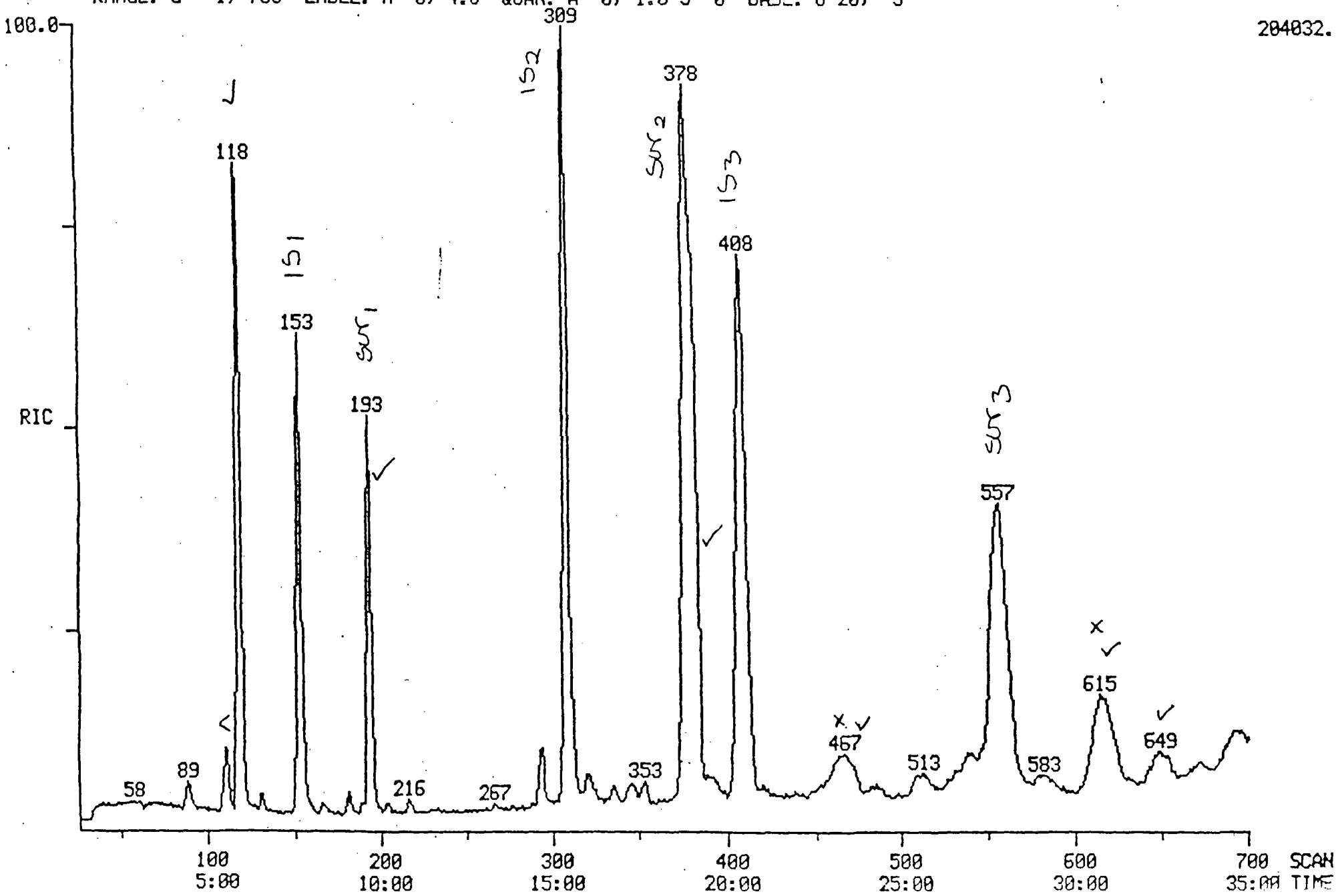
SCANS 25 TO 700



RIC
06/06/88 19:59:00
SAMPLE: SB-6 (200UL OF 5GM/10ML MEOH)
CONDS.: VOLATILE METHOD
RANGE: G 1, 700 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V8052116 #1
CALI: V8052116 #2

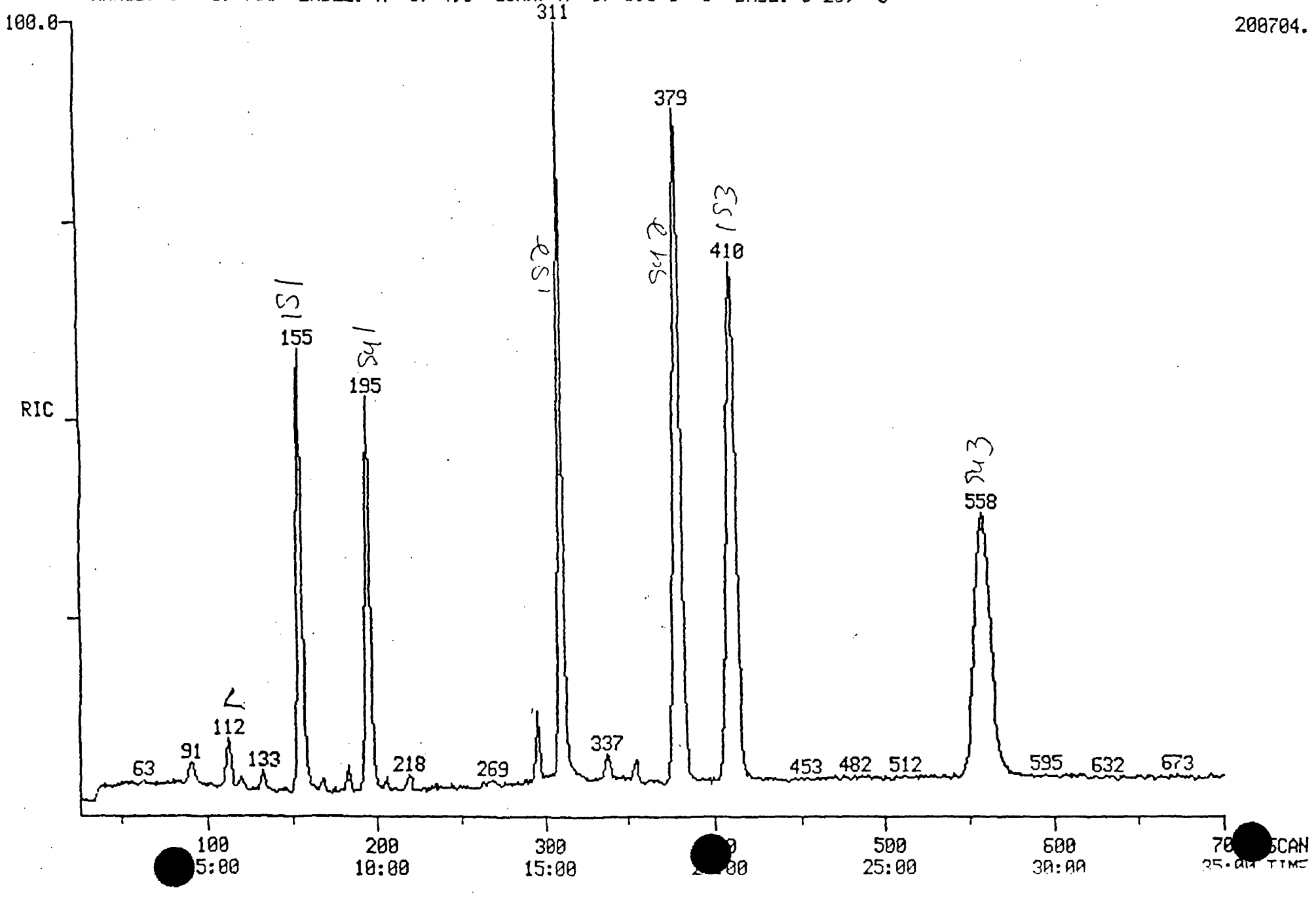
SCANS 25 TO 700



RIC
06/06/88 23:35:00
SAMPLE: SB-8 (200UL OF 5GM/10ML MEOH)
CONDS.: VOLATILE METHOD
RANGE: G 1, 700 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V8052117 #1
CALI: V8052117 #2

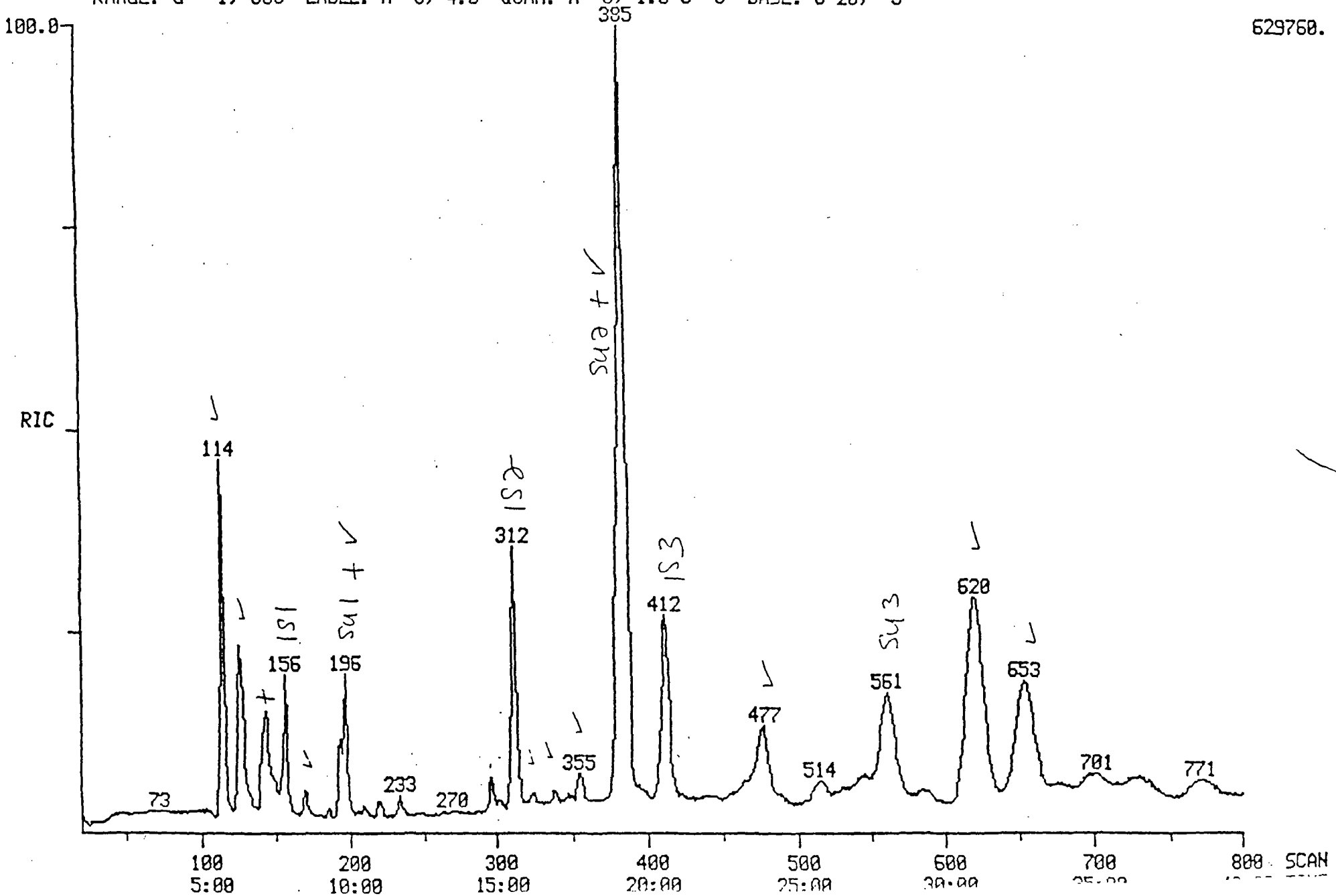
SCANS 25 TO 700



RIC
06/07/88 10:08:00
SAMPLE: SB-9 (200UL OF 5G/10ML)
CONDS.: VOLATILE METHOD
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V8052118 #1
CALI: V8052118 #2

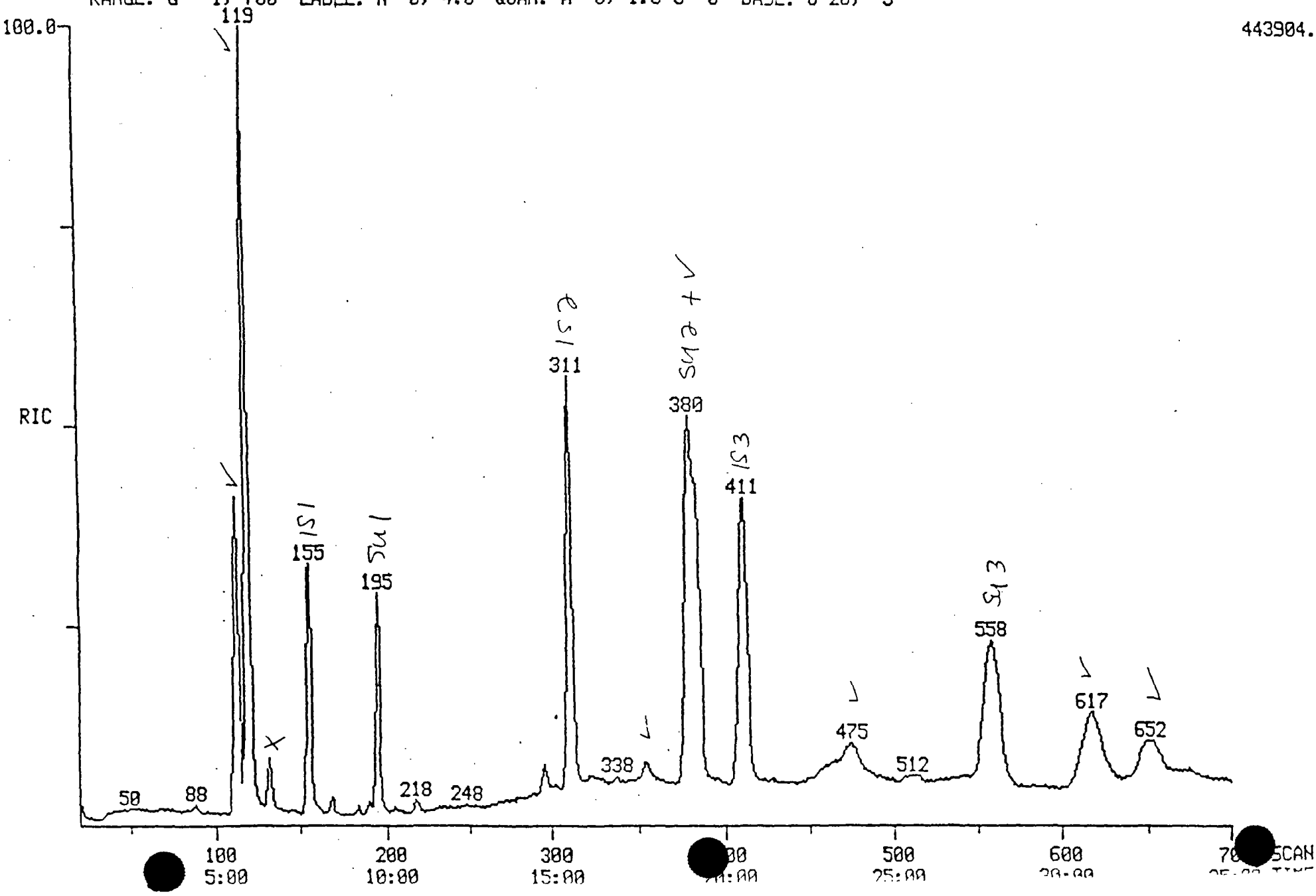
SCANS 20 TO 800



RIC
06/07/88 11:48:00
SAMPLE: SB-10 (100UL OF 5G/10ML)
CONDS.: VOLATILE METHOD
RANGE: G 1, 700 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V8052119 #1
CALI: V8052119 #2

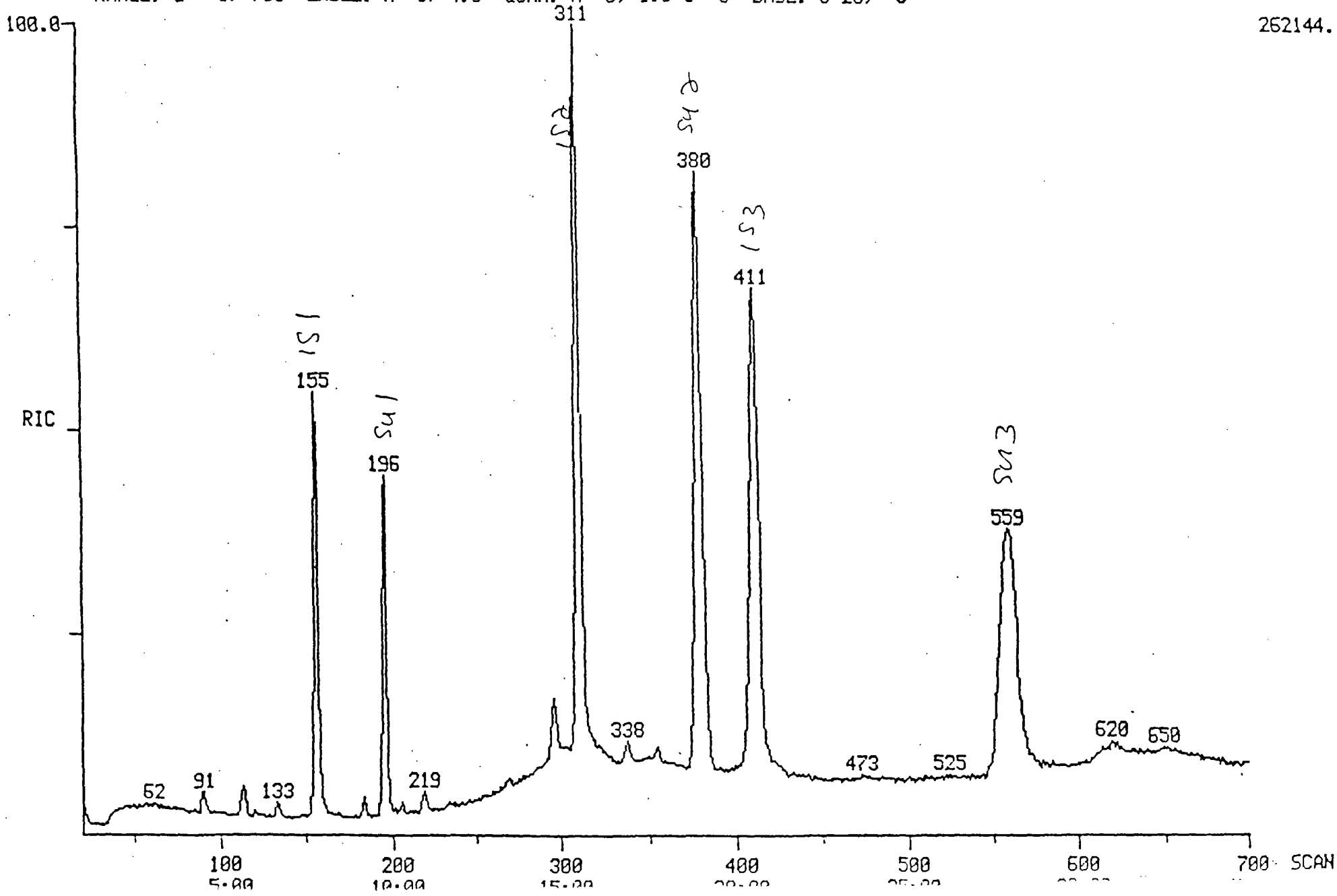
SCANS 20 TO 700



RIC
06/07/88 13:05:00
SAMPLE: SB-11 (200UL OF 5G/10ML)
CONDS.: VOLATILE METHOD
RANGE: G 1, 700 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V8052120 #1
CALI: V8052120 #2

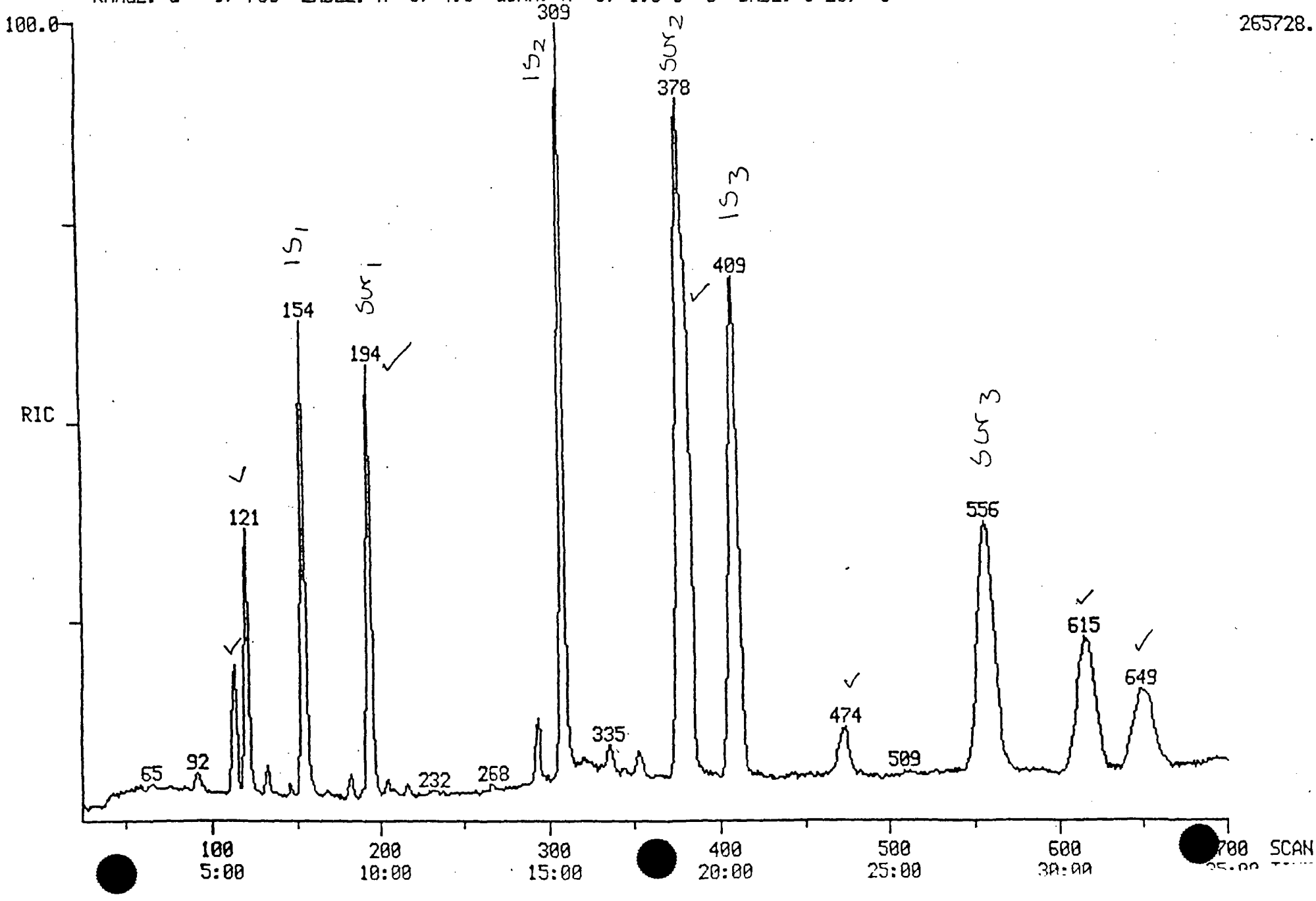
SCANS 20 TO 700



RIC
06/07/88 18:08:00
SAMPLE: SB-12 (200UL OF 5GM/10ML MEOH)
CONDS.: VOLATILE METHOD
RANGE: G 1, 700 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V8052121 #1
CALI: V8052121 #2

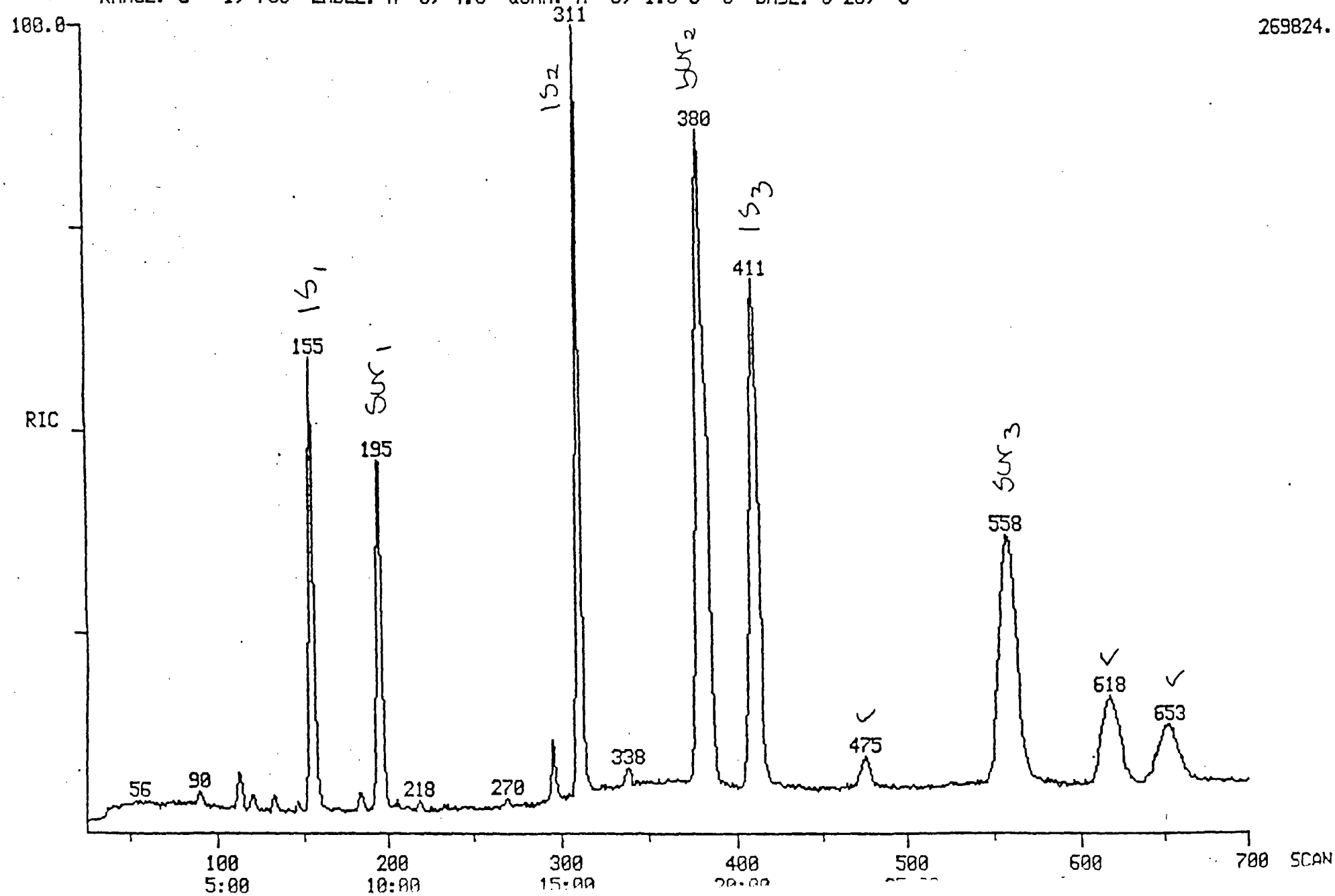
SCANS 25 TO 700



RIC
06/07/88 19:33:00
SAMPLE: SB-13 (200UL OF 5GM/10ML MEOH)
CONDS.: VOLATILE METHOD
RANGE: G 1, 700 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V8052122 #1
CALI: V8052122 #2

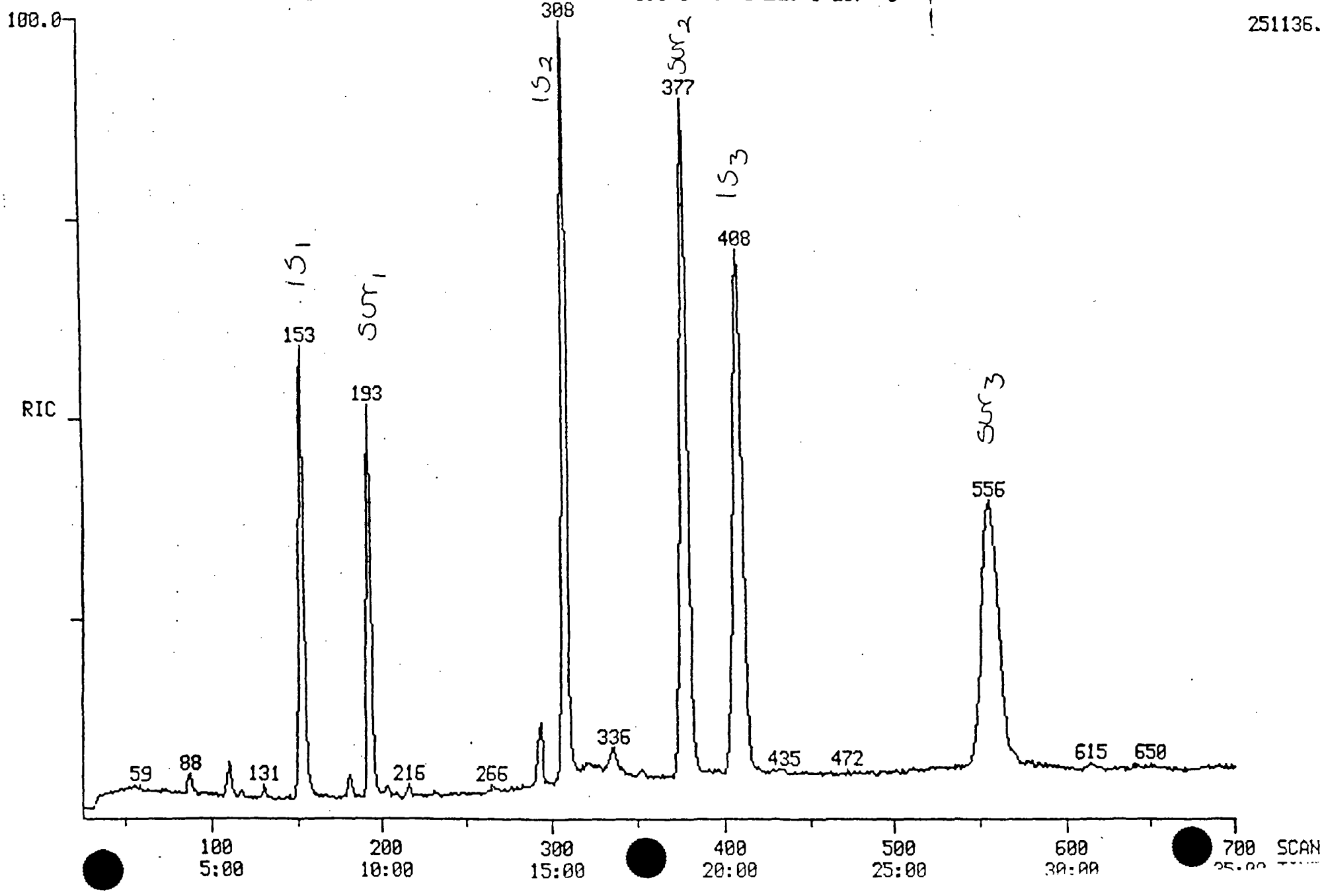
SCANS 25 TO 700



RIC
06/07/88 20:27:00
SAMPLE: SB-14 (200UL OF 5GM/10ML MEOH)
CONDS.: VOLATILE METHOD
RANGE: G 1, 700 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

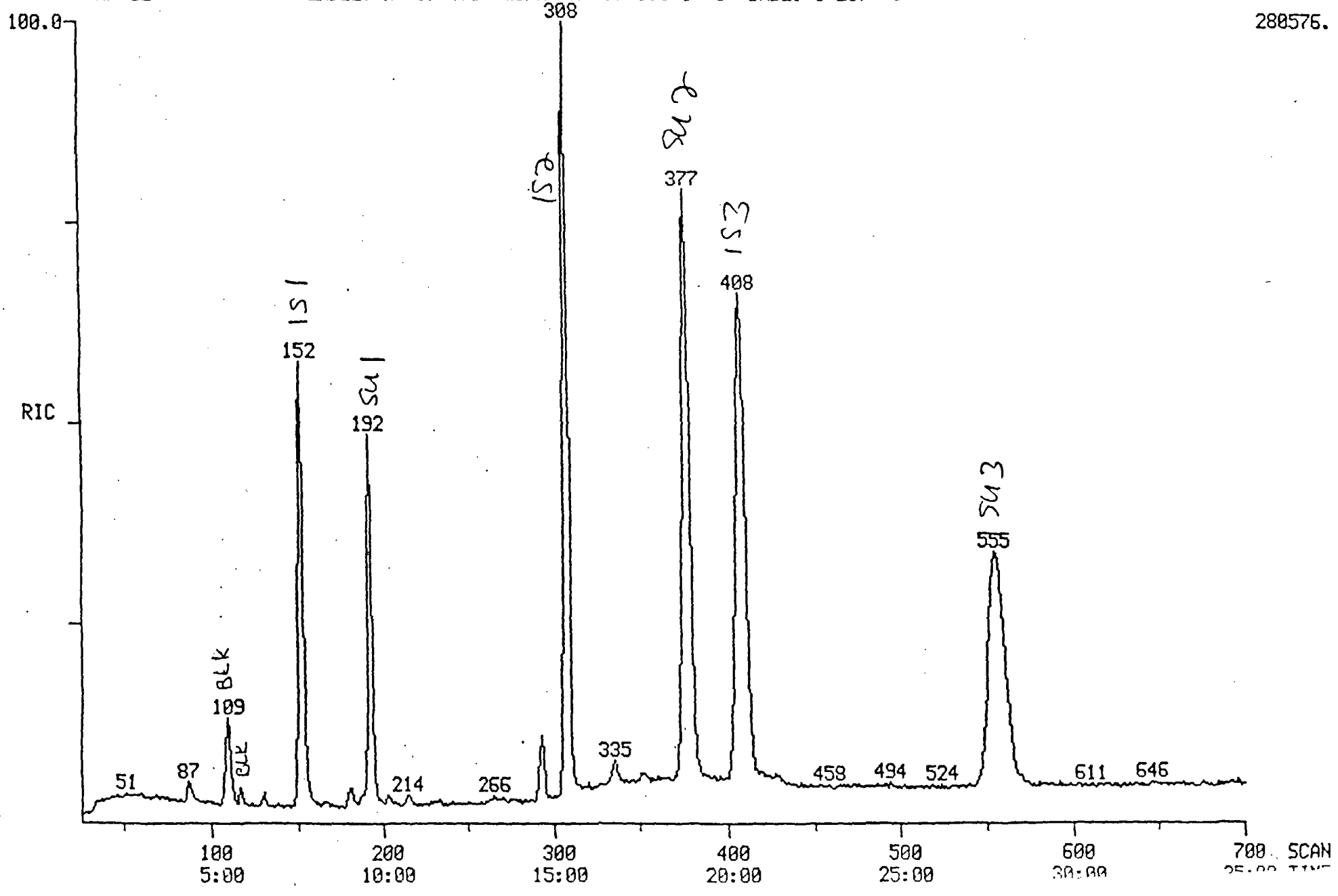
DATA: V8052123 #1
CALI: V8052123 #2

SCANS 25 TO 700



RIC
06/08/88 10:51:00
SAMPLE: SB-15 (200UL OF 5G/10ML)
CONDS.: VOLATILE METHOD
RANGE: G 1, 700 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: V8052124 #1 SCANS 25 TO 700
CALI: V8052124 #2



SEQUOIA Analytical Laboratory
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Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/24/88
Date Received: 05/24/88
Date Reported: 06/10/88
Project: #JCO-104H

Q.C. DATA REPORT

Analyst: L. Saunders
Date of Analysis: 6/7/88
Method of Analysis: 8040
Detection Limit: 0.25
Units: mg/kg

Sample Number	Analyte	Original Result	Duplicate Result	% Deviation
Matrix Spike & Duplicate	4-Chloro-3 - Methyl Phenol	21	23	4.6

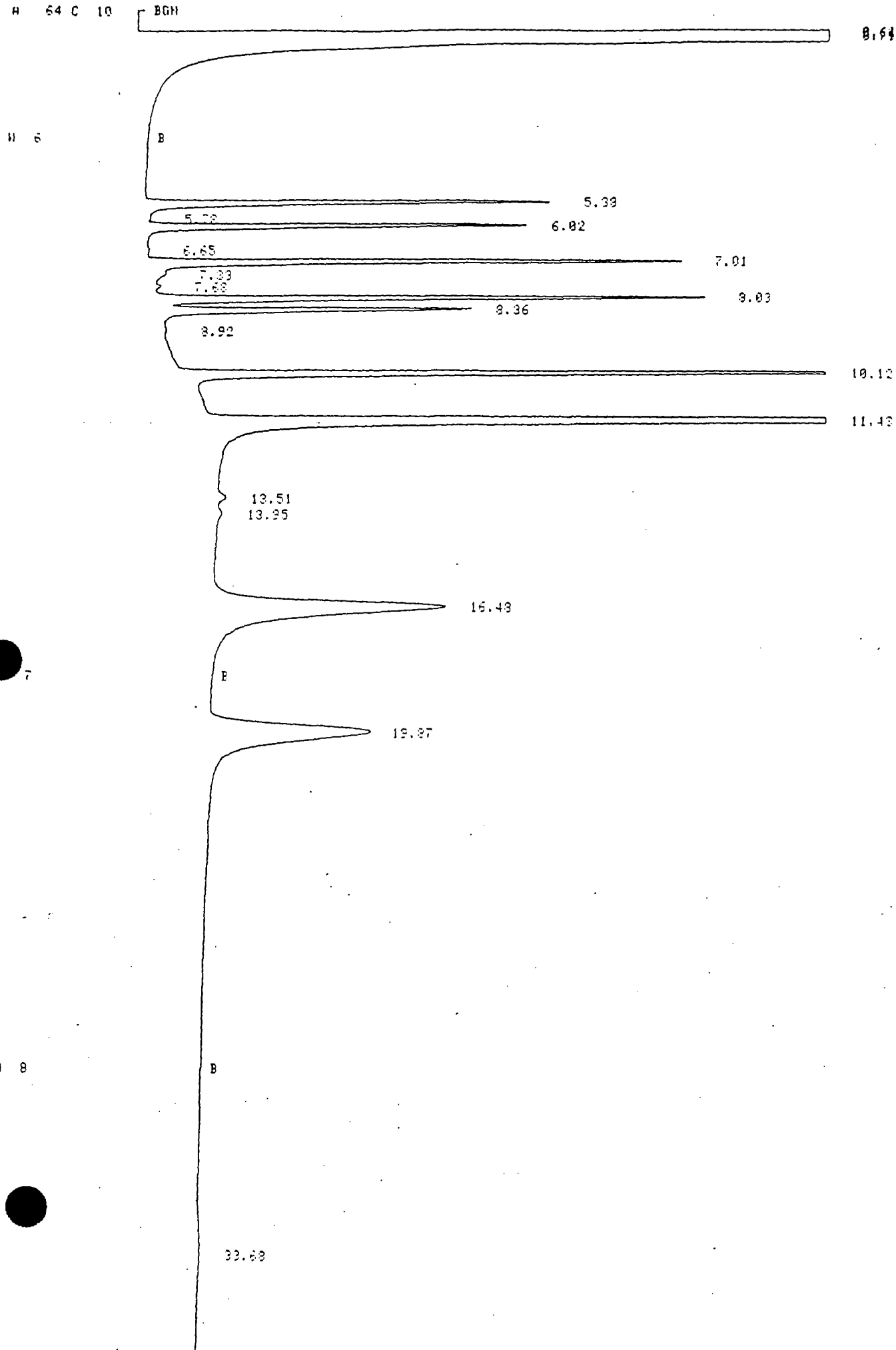
Sample Number	Analyte	Sample Contribution	Spike Added	Spike Result	% Recovery
Matrix Spike	4-Chloro 3-Methyl Phenol	< 0.25	25	23	92

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

METHOD 3 PHENOLS 8040 Phenol Mix 604-M 1:10 2.8 λ

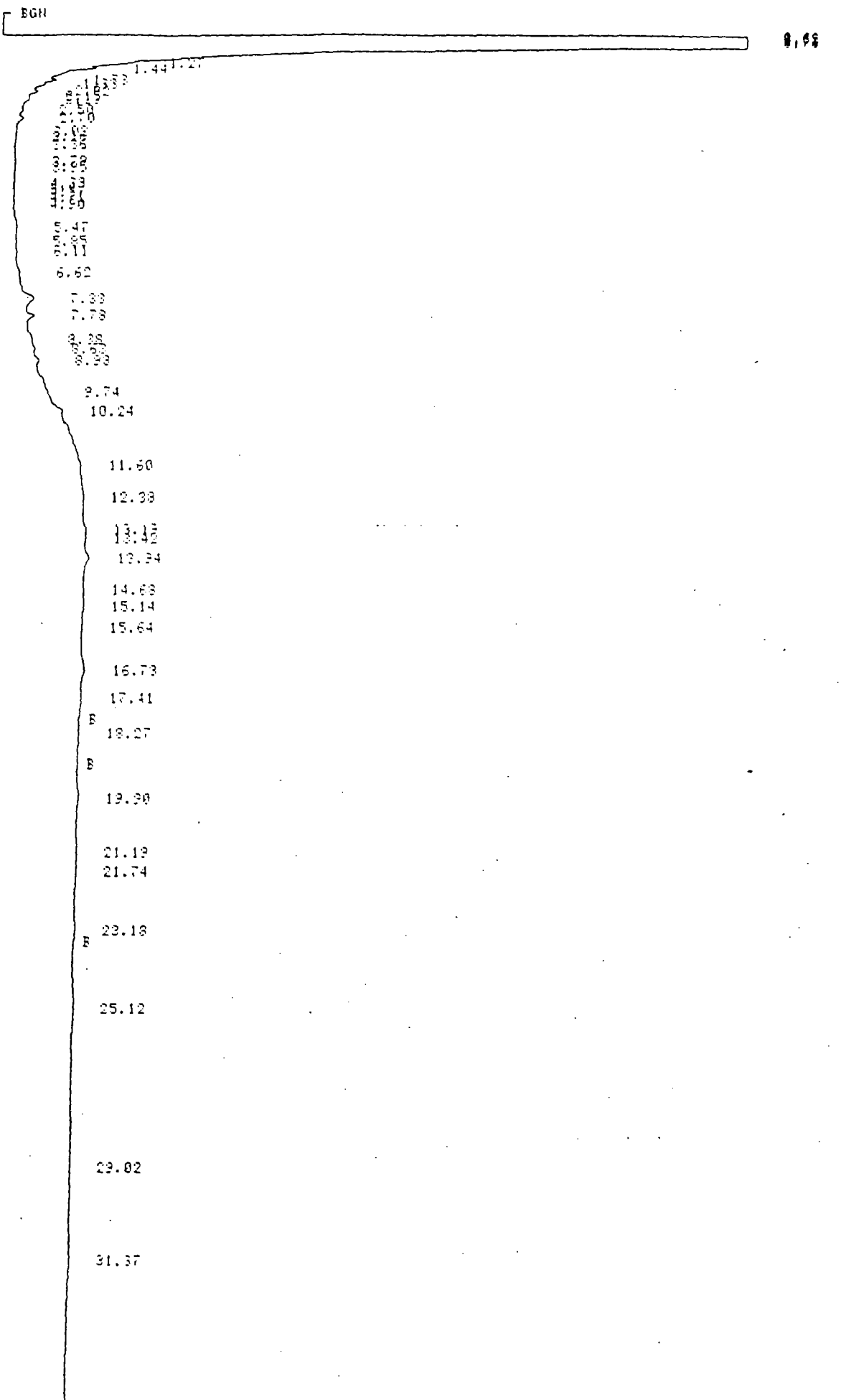
A 64 C 10 BGH



RUN 6 18:40 88/06/06 Walter 8052114 50g: 2.8ml 2λ

METHOD 3 PHENOLS 8040

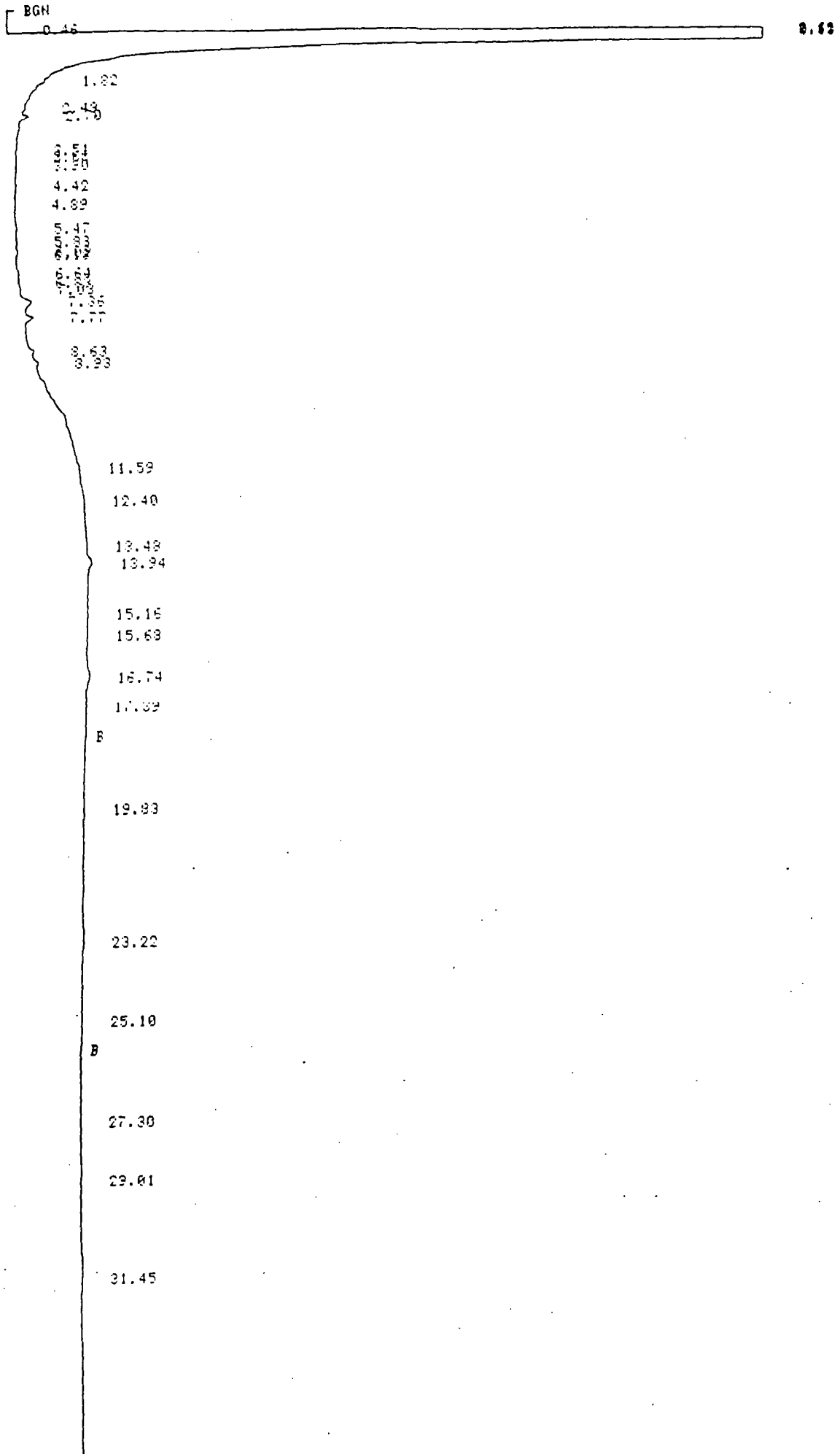
H 64 C 10 BGN



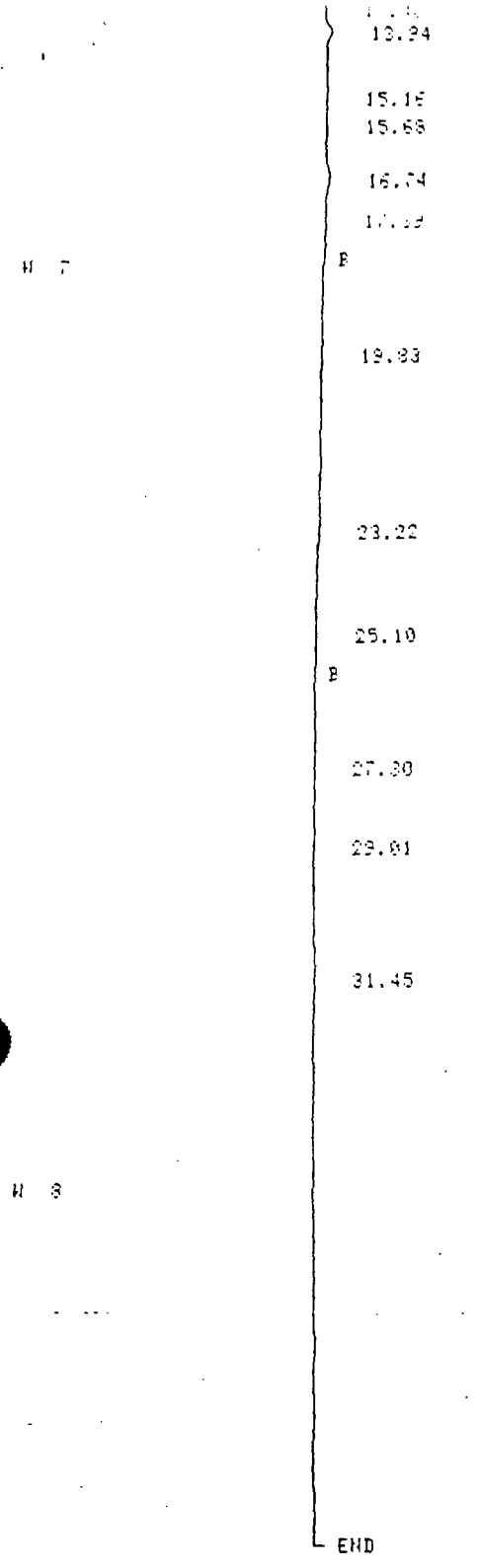
RUN 7 13:25 88/06/06 8052115 50:2.4 2X

METHOD 3 PHENOLS 8040

A 64 C 10



805211 S pg. 2



RUN 7 19:25 88/06/06

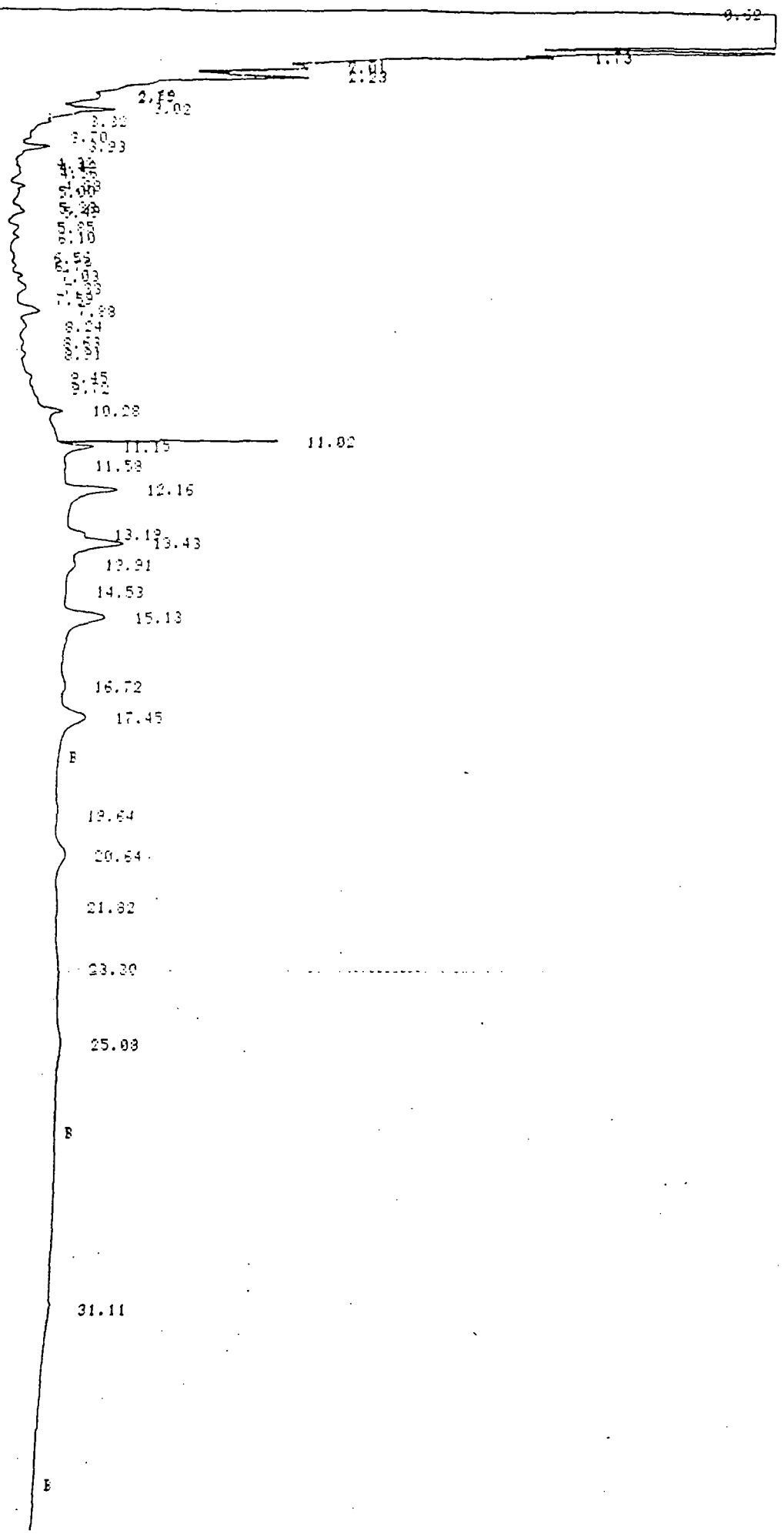
METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.62	10.7026	U	1.9045
0.65	535.0499	U	95.2141
7.36	1.5801	U	0.2811
7.77	0.9391	U	0.1671
11.59	8.7863	U	1.5635
13.94	1.2024	U	0.2139
16.74	0.9840	U	0.1751
19.83	0.5617	U	0.0999
23.22	0.8588	U	0.1529
31.45	1.2786	U	0.2275

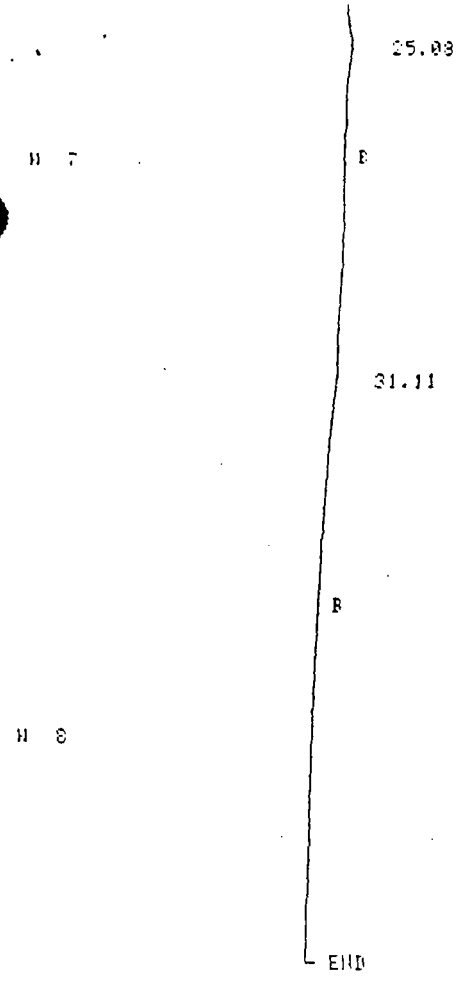
10 PEAKS > AREA/HT REJECT

METHOD 3 PHENOLS 8040 8052116 50:2.4

H 64 C 10 BGN



8052116 p-2



RUN 8 20:12 88/05/06

METHOD 3 PHENOLS 8040 CALCULATION: %

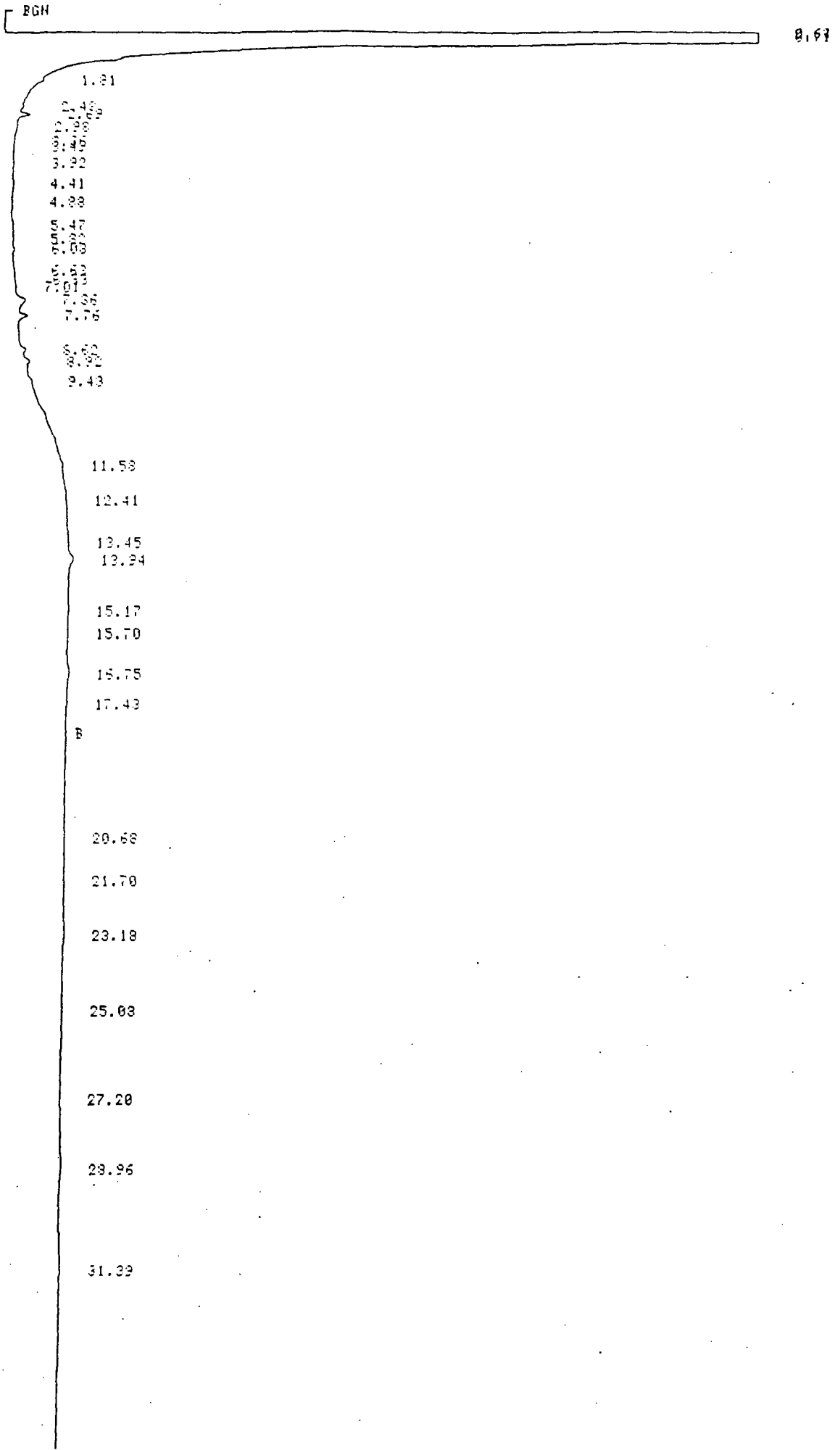
RT	AREA	BC	AREA %
0.65	370.8451	V	56.3328
0.93	43.8723	V	6.6714
1.01	15.7867	V	2.4006
1.09	9.1482	V	1.3911
1.19	37.1977	V	5.6565
1.35	12.7100	V	1.9327
1.61	21.1337	V	3.2137
1.73	2.9854	V	0.4539
2.01	5.5305	V	0.8410
2.23	14.2996	V	2.1744
3.02	6.8614	V	1.0433
3.93	3.2721	V	0.4975
4.56	0.5397	V	0.0820
4.88	0.8689	V	0.1321
5.49	0.5283	V	0.0803
5.85	1.0373	V	0.1577
6.10	0.6242	V	0.0949
6.56	0.5087	V	0.0773
7.03	0.6369	V	0.0968
7.33	1.7051	V	0.2592
7.88	3.5678	V	0.5425
8.24	1.2276	V	0.1866
10.28	1.8718	V	0.2846
11.02	27.9864	V	4.2557
11.15	22.2524	V	3.3838
12.16	9.8899	V	1.5039
13.43	7.1874	V	1.0929
13.91	0.5255	V	0.0814
15.13	12.6141	V	1.9181
16.72	1.2959	V	0.1970
17.45	8.7827		1.3355
19.64	0.6242	V	0.0949
20.64	4.1713	V	0.6343
23.30	1.8703	V	0.2844
25.08	3.6389		0.5533

35 PEAKS > AREA HT REJECT

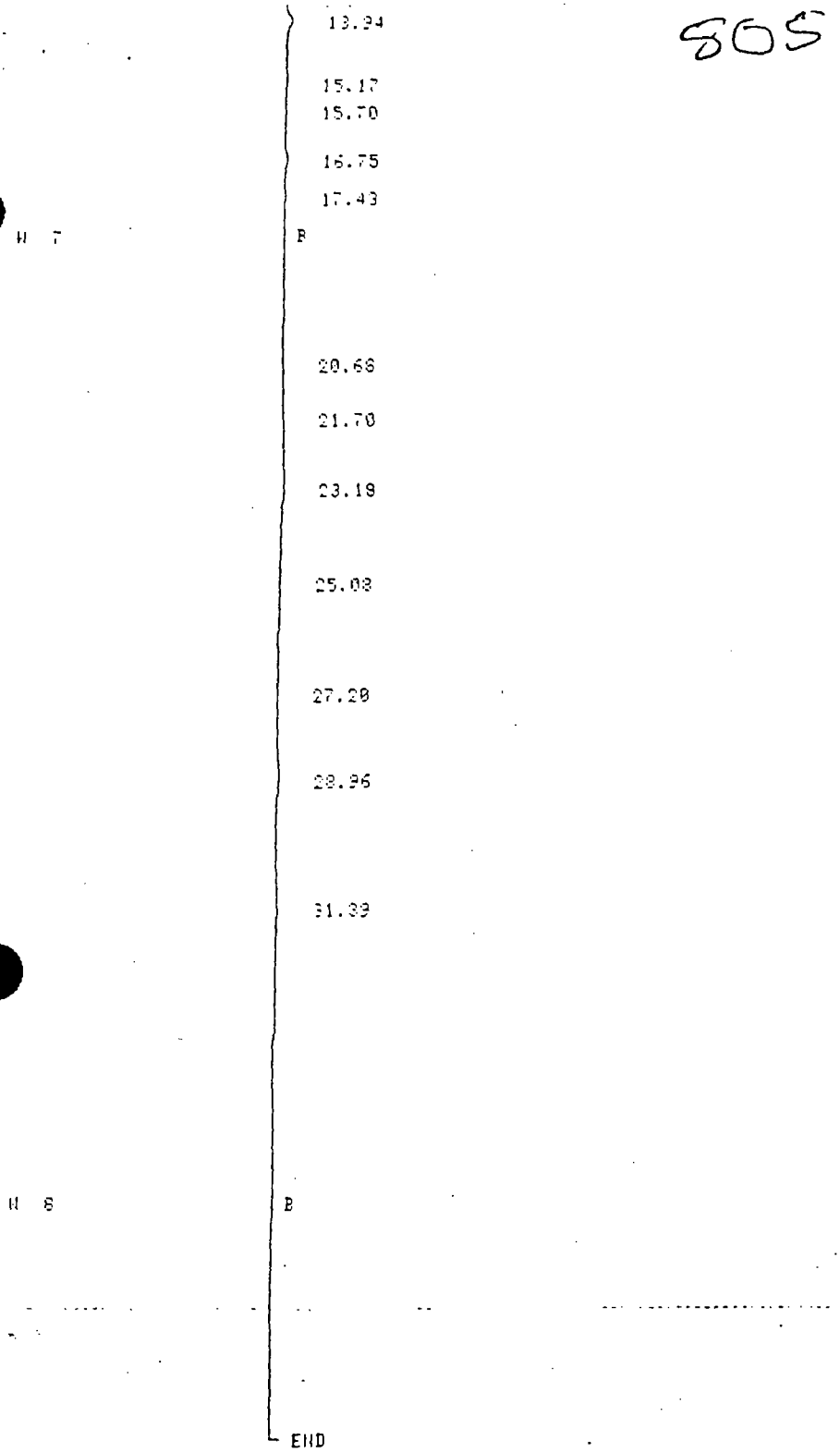
RUN 9 20:56 88/06/06 8052117 50.2d 2A

METHOD 3 PHENOLS 8040

A 64 C 10 BGN



8052117 p. 2



RUN 9 20:56 88/06/06

METHOD 3 PHENOLS 8040 CALCULATION: %

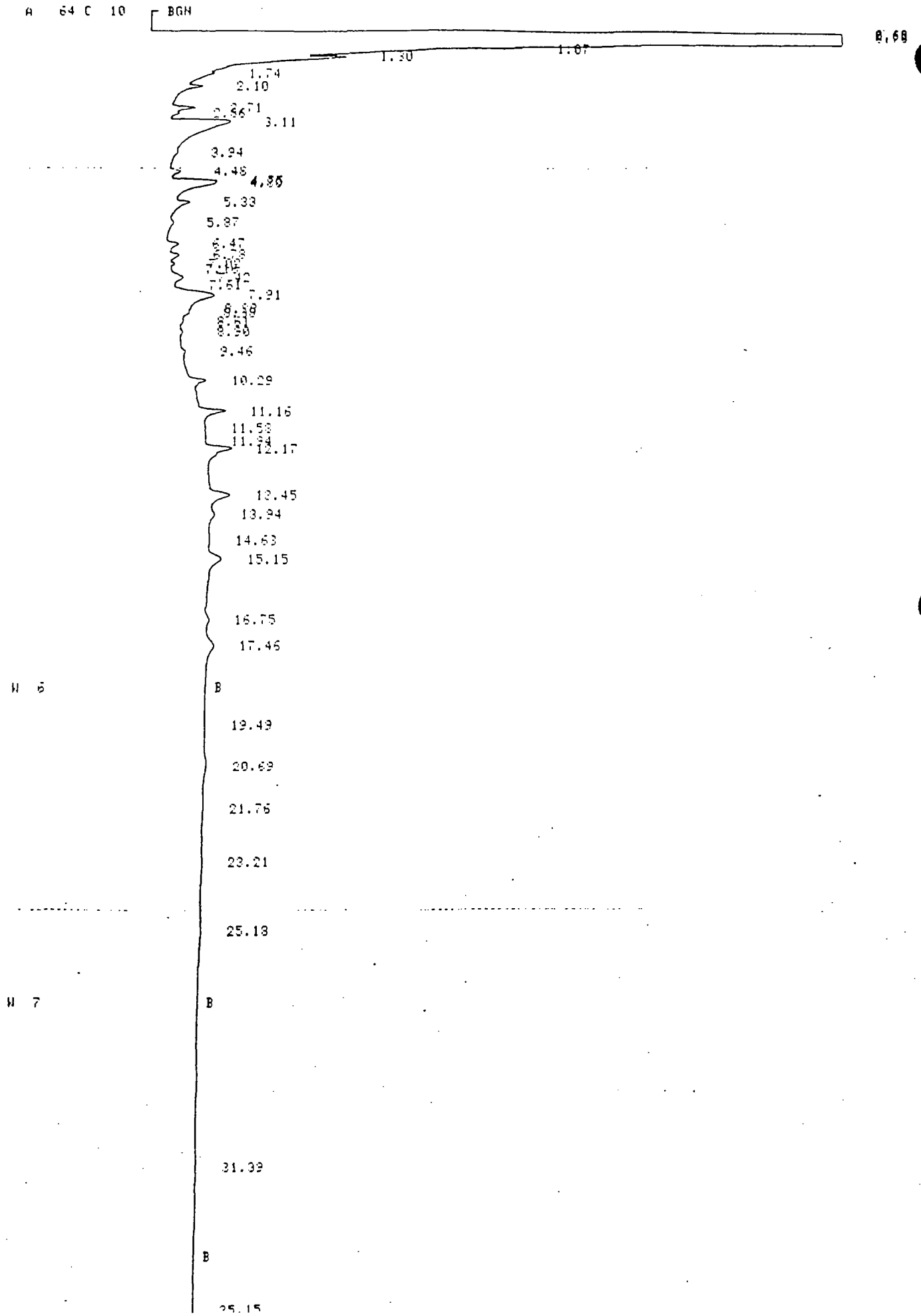
RT	AREA	BC	AREA %
0.64	200.2130	V	93.7869
2.69	0.8681	V	0.4066
7.36	1.4734	V	0.6901
7.76	0.9372	V	0.4390
8.92	0.5640	V	0.2642
11.58	3.6031	V	1.6878
13.94	1.3766	V	0.6449
16.75	0.9077	V	0.4252
23.18	0.7574	V	0.3548
28.96	1.1639	V	0.5452
31.39	1.6116		0.7549

11 PEAKS \ AREA/HT REJECT

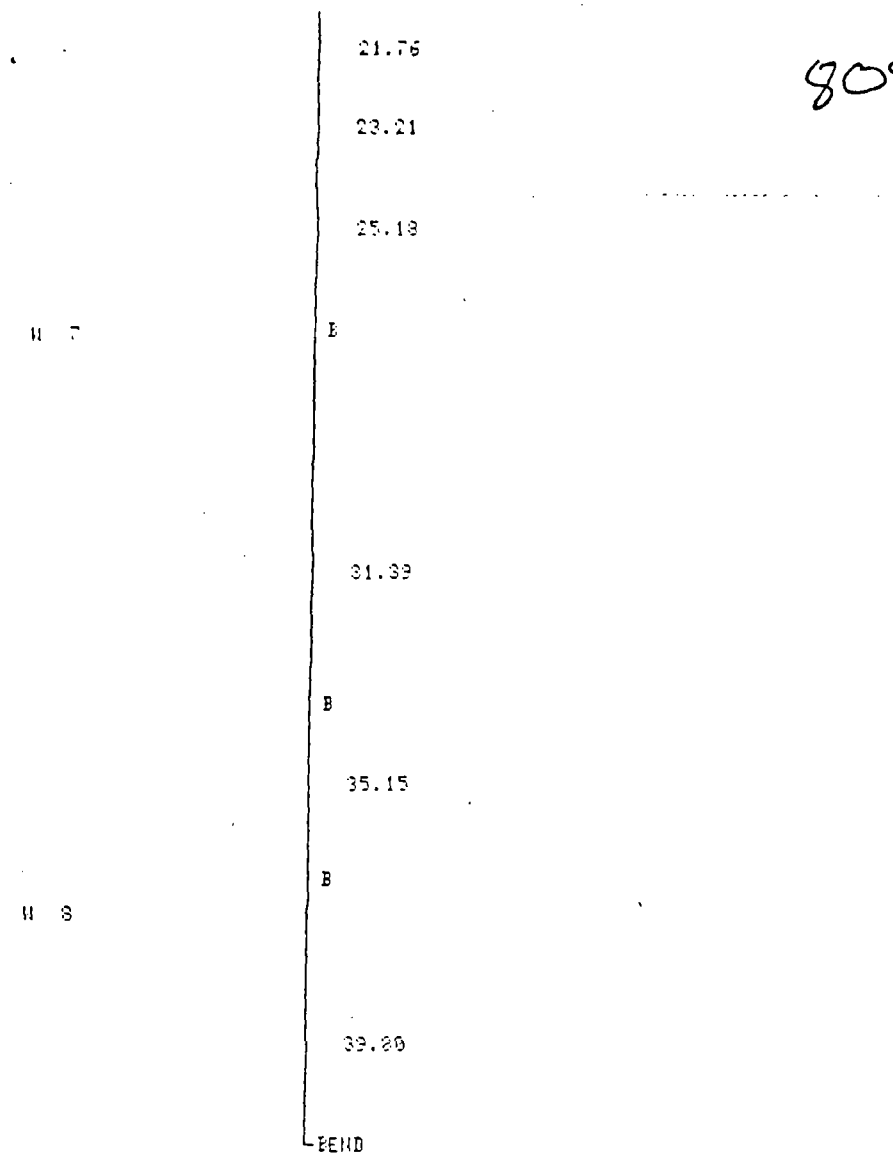
RUN 10 21:42 88/06/06 8052118 50:5 2A

METHOD 3 PHENOLS 8040

A 64 C 10 BGN



8052118 p.2



RUN 10 21:42 88/06/05

METHOD 3 PHENOLS 8040 CALCULATION: %

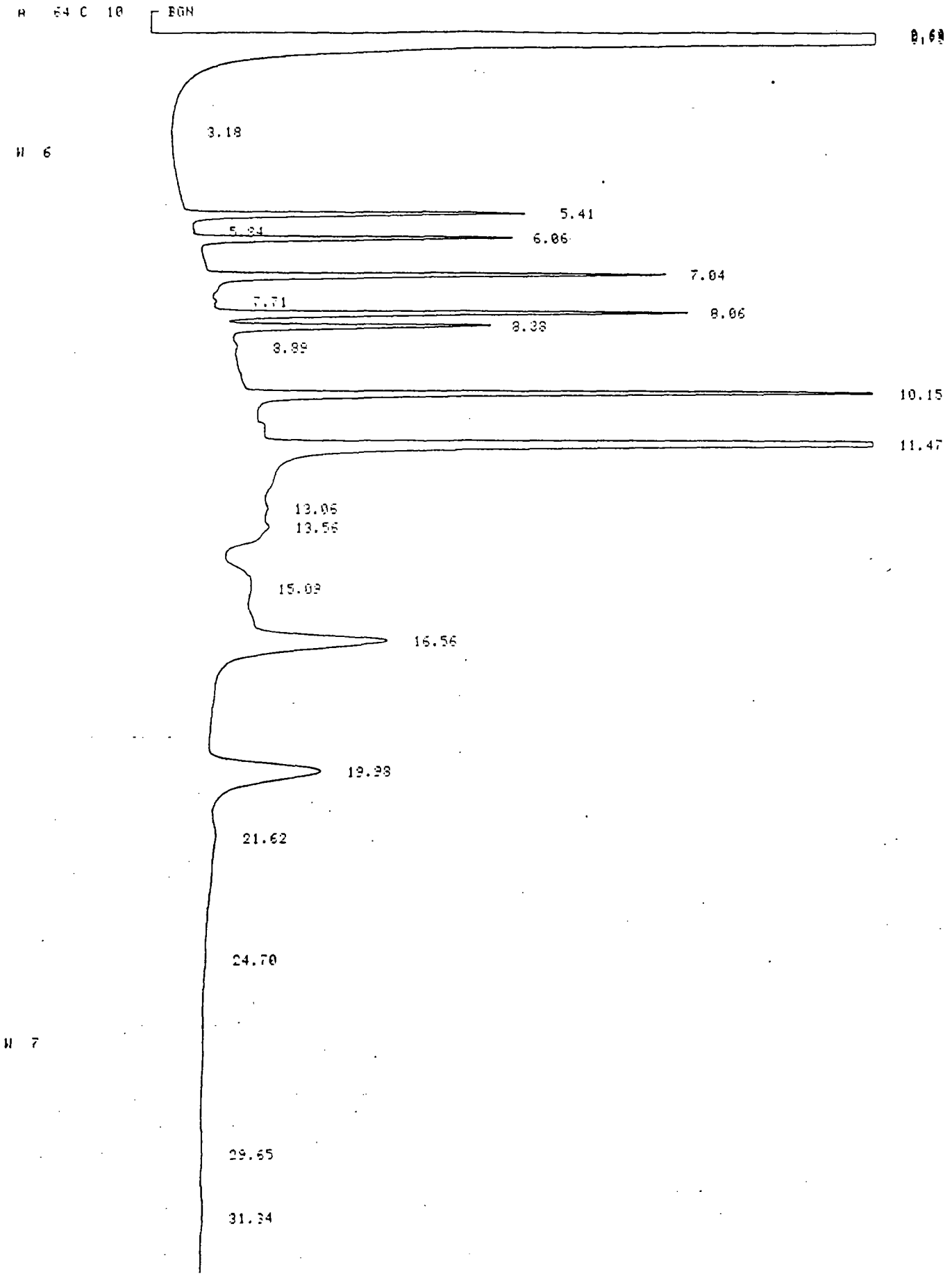
RT	AREA	BC	AREA %
0.65	426.9877	V	85.1729
1.30	1.4539	V	0.2900
2.10	0.8667	V	0.1728
2.71	1.8833	V	0.3756
3.11	22.3259	V	4.4534
4.48	1.1184	V	0.2230
5.33	2.4298	V	0.4846
5.87	0.6611	V	0.1319
6.47	1.4302	V	0.2852
6.78	1.1581	V	0.2310
7.42	1.9902	V	0.3969
7.91	9.2637	V	1.8478
10.29	1.3033	V	0.2599
11.16	3.4277	V	0.6857
12.17	5.7981	V	1.1565
13.45	4.0079	V	0.7994
13.94	0.9166	V	0.1828
15.15	5.4766	V	1.0924
16.75	0.9892	V	0.1973
17.46	3.4226		0.6827
20.69	1.5609	V	0.3113
23.21	0.8143	V	0.1624
25.18	0.9697		0.1934
31.39	1.0516		0.2097

24 PEAKS > AREA-HT REJECT

RUN 11 13:07 88/06/07 Phenol Mix 604 1:10 2x

METHOD 3 PHENOLS 8040

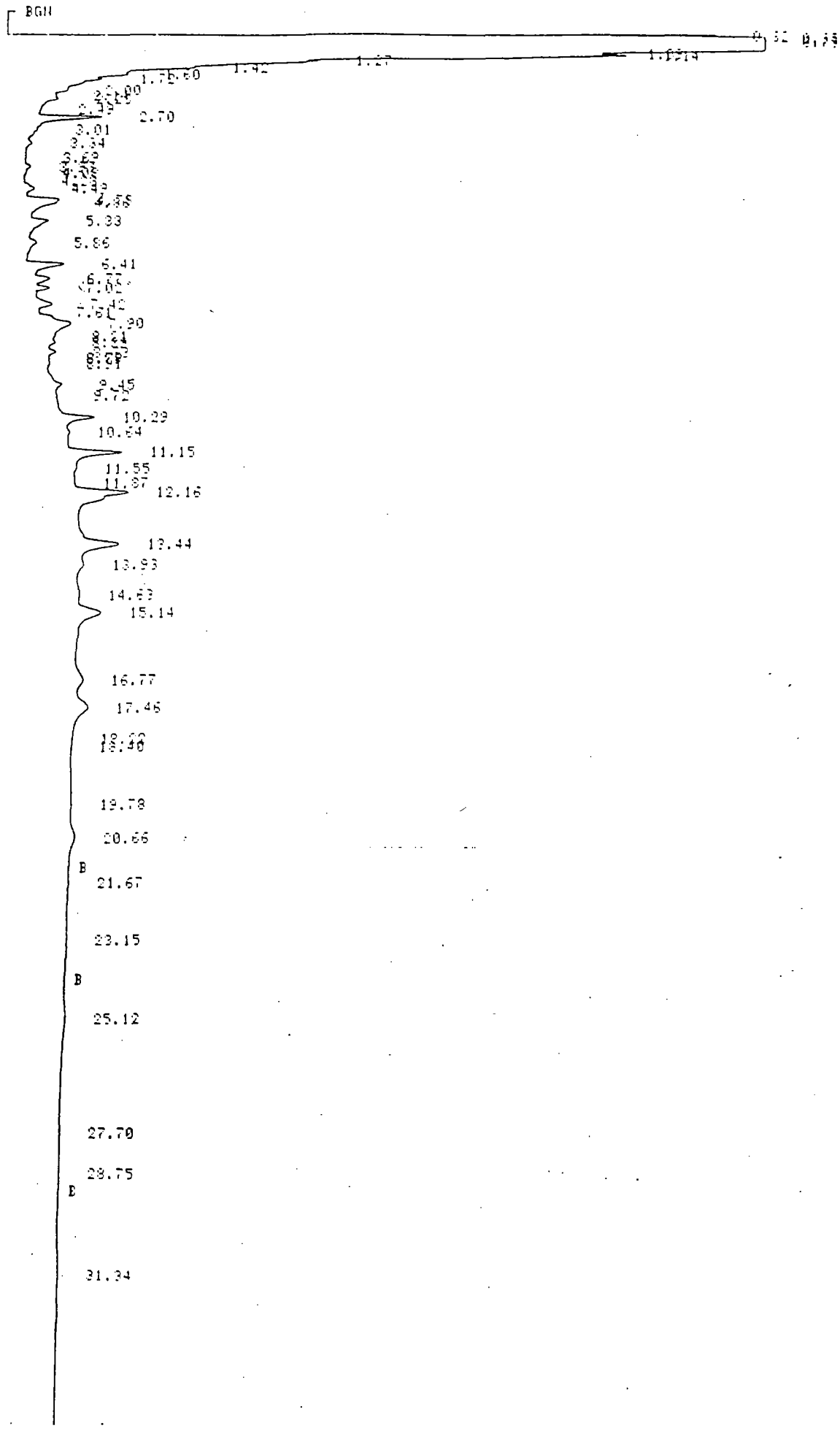
A 64 C 10



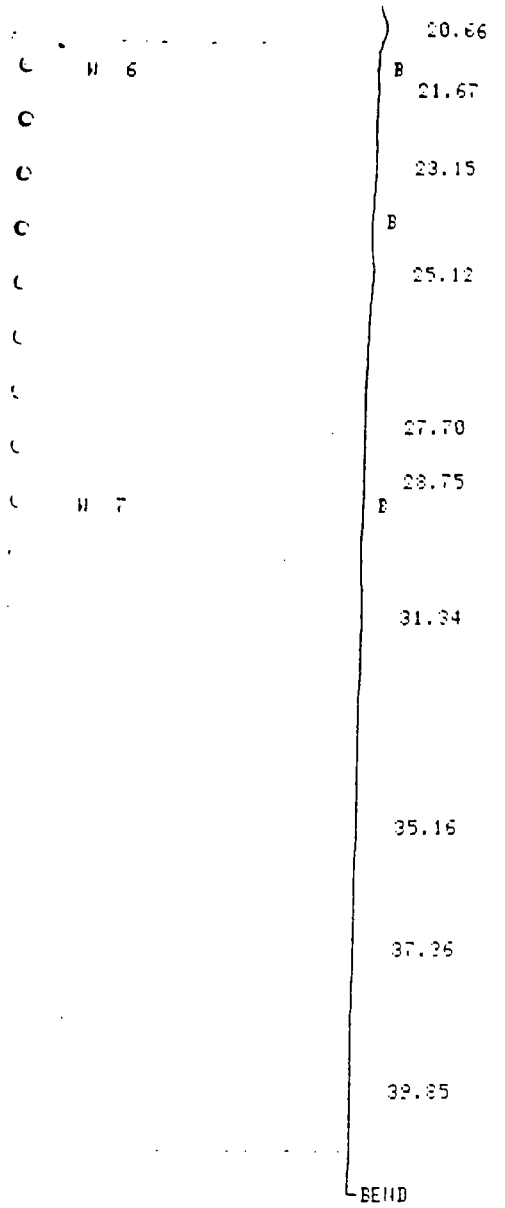
RUN 12 13:52 88/06/07 8052119 SO:3 3X

METHOD 3 PHENOLS 8040

A 64 C 10 BGN



8052119 p.2



RUN 12 13:52 88/06/07

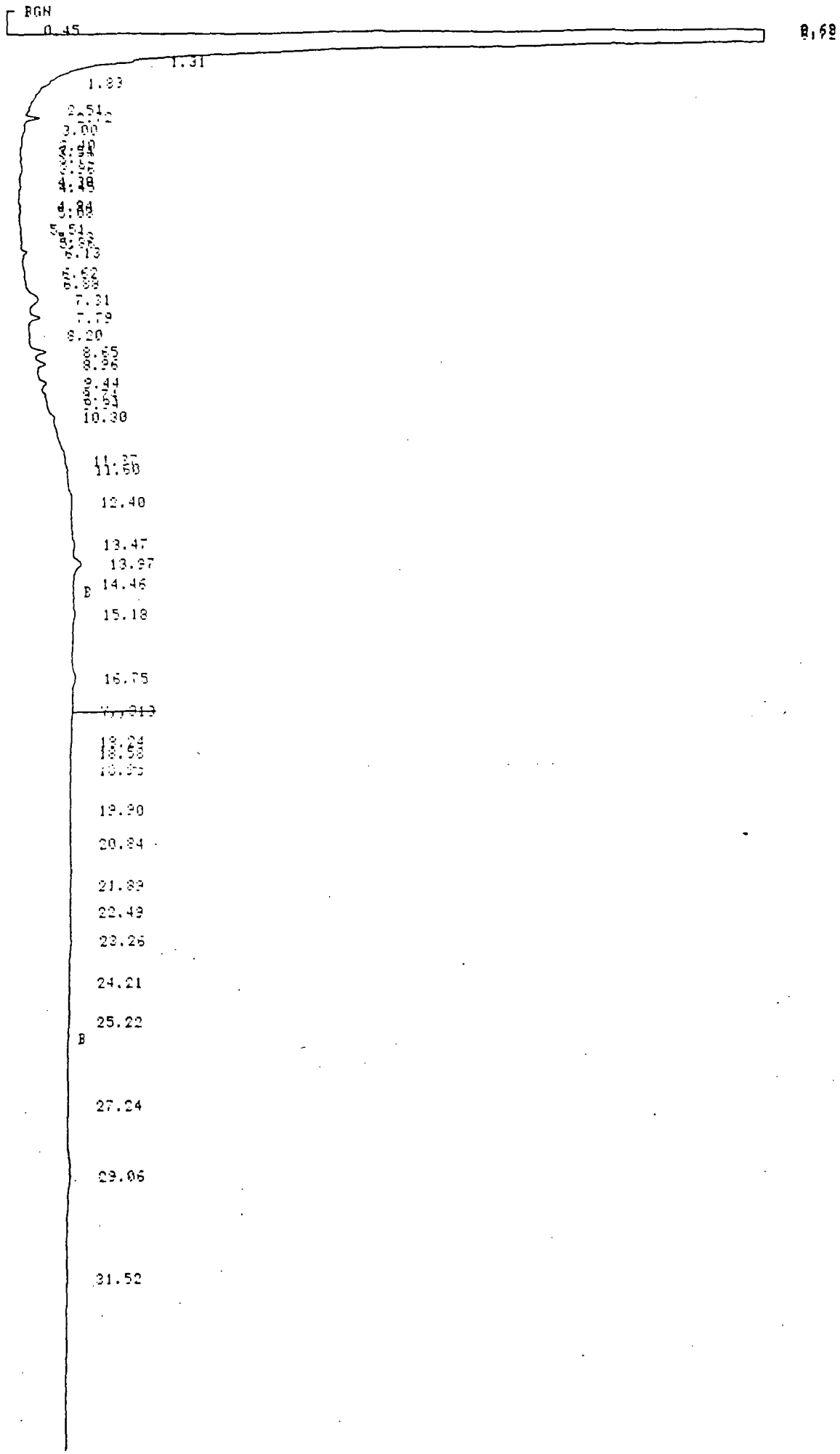
METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.65	464.4955	V	83.6585
1.14	5.8326	V	1.0505
2.70	6.4225	V	1.1567
3.93	0.5046	V	0.0908
4.49	1.3811	V	0.2487
4.78	0.6682	V	0.1203
5.33	3.2689	V	0.5887
5.86	1.5342	V	0.2763
6.41	4.9047	V	0.8833
6.77	1.7654	V	0.3179
7.02	1.3318	V	0.2398
7.42	2.2415	V	0.4037
7.90	6.0659	V	1.0925
8.63	0.7975	V	0.1436
9.45	1.4625	V	0.2634
10.29	3.5560	V	0.6404
11.15	6.4251	V	1.1572
12.16	11.8992	V	2.1431
13.44	7.9706	V	1.4355
13.93	0.5756	V	0.1036
14.63	0.5752	V	0.1035
15.14	6.9615	V	1.2538
16.77	2.3839	V	0.4293
17.46	4.5411	V	0.8178
19.79	0.7234	V	0.1303
20.66	2.2644		0.4078
23.15	1.0423		0.1877
25.12	1.8965	V	0.3415
31.34	1.7346	V	0.3124

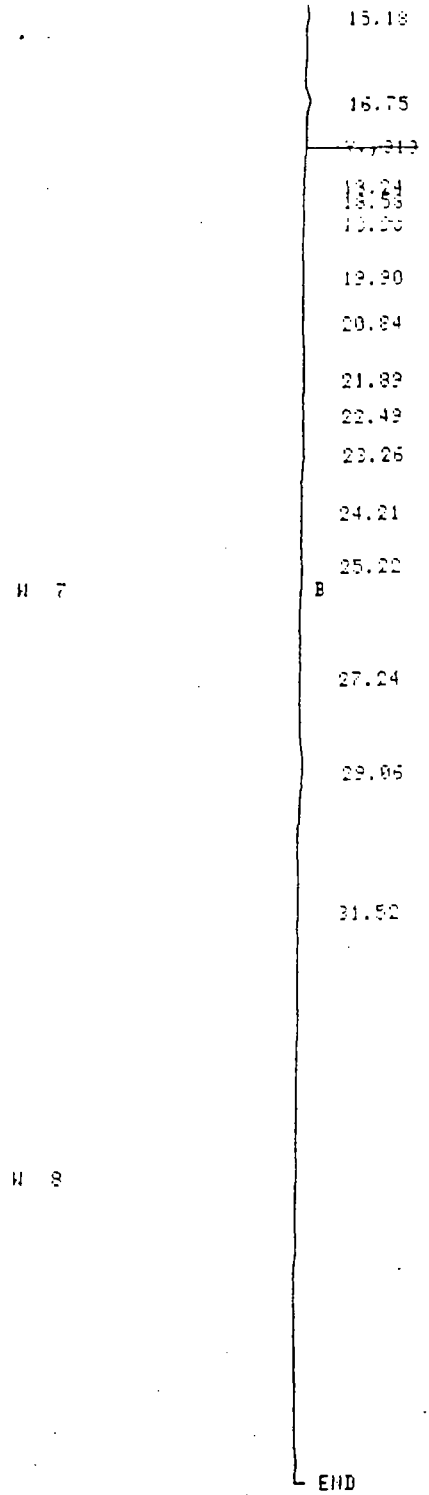
RUN 13 14:41 88/06/07

METHOD 3 PHENOLS 8040 8052120 50:2.4 2λ

A 64 C 10 BGN



8052120 p.2



RUN 13 14:41 88/06/07

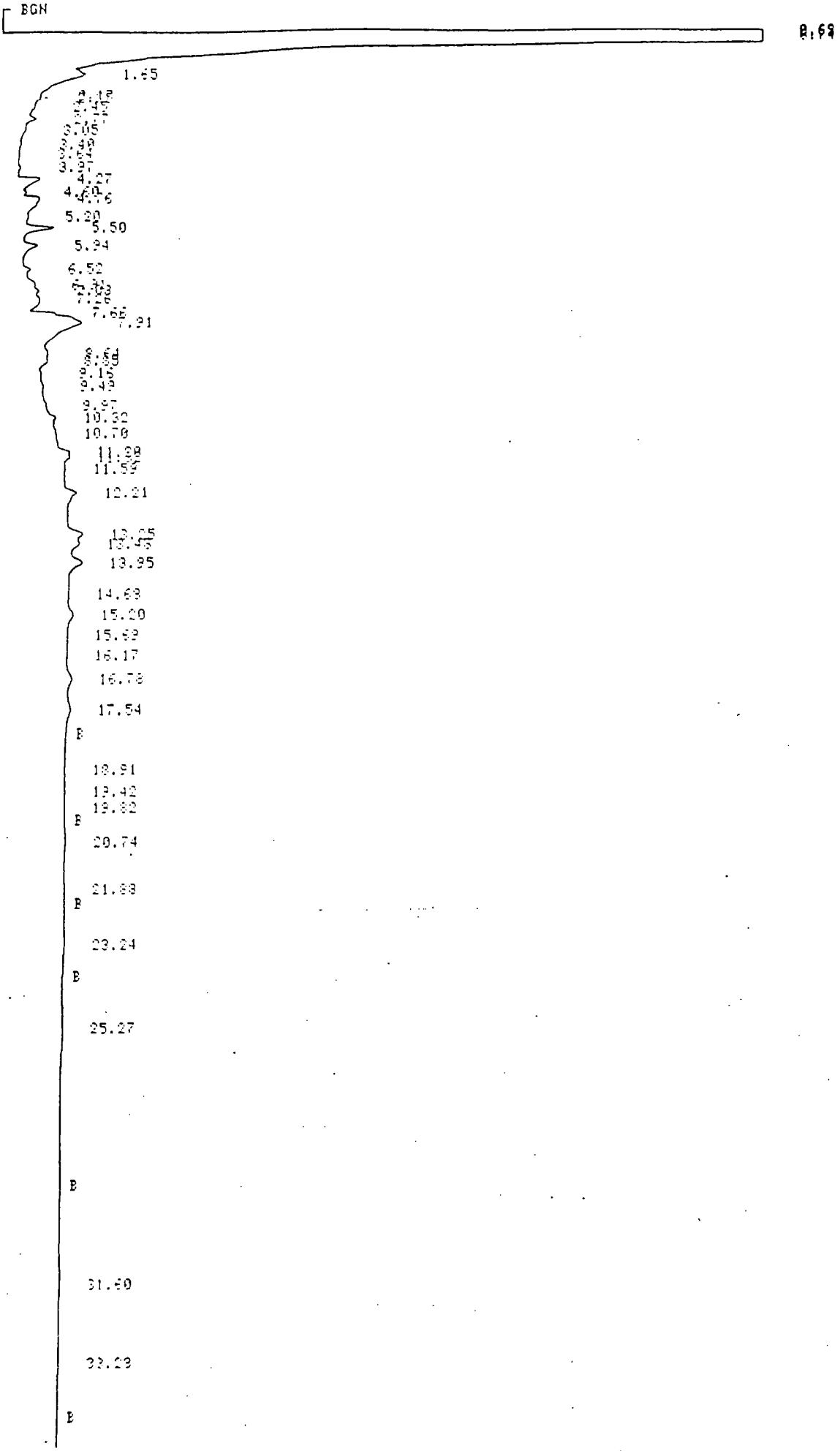
METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.62	7.7969	V	0.9572
0.65	788.9964	V	96.8710
2.72	1.1594	V	0.1423
6.13	0.7104	V	0.0872
7.31	2.9800	V	0.3658
7.79	1.2999	V	0.1595
8.65	1.1320	V	0.1389
8.96	1.2349	V	0.1516
9.44	0.6909	V	0.0848
12.40	0.7403	V	0.0908
13.97	1.9742	V	0.2423
15.18	0.7373	V	0.0905
16.75	1.1306	V	0.1389
23.26	0.8568	V	0.1064
29.06	2.4692	V	0.3031
31.52	0.5610	V	0.0688

RUN 14 15:38 88/06/07 8052121 50:3.4 2λ

METHOD 3 PHENOLS 8040

A 64 C 10 BGN



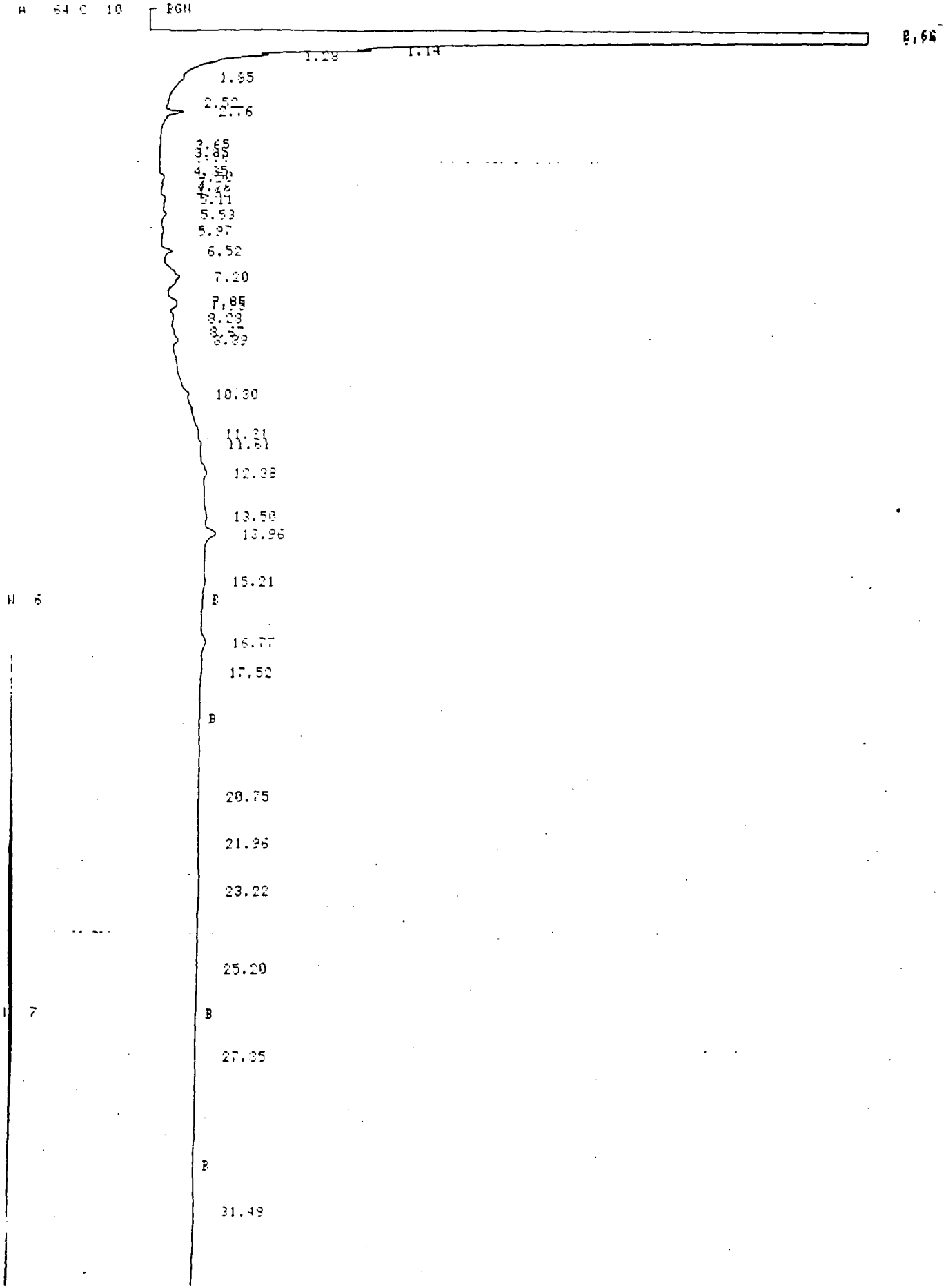
20 PEAKS . AREA HT REJECT

RUN 15 16:32 88/06/07

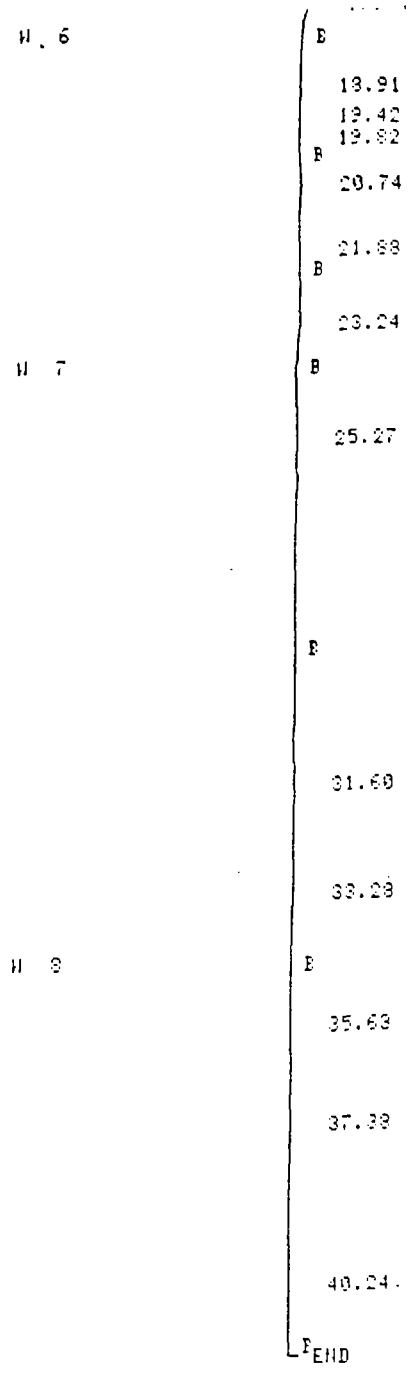
METHOD 3 PHENOLS 8040

8052122 50:3 2>

A 64 C 10 BGN



8052121 p.2



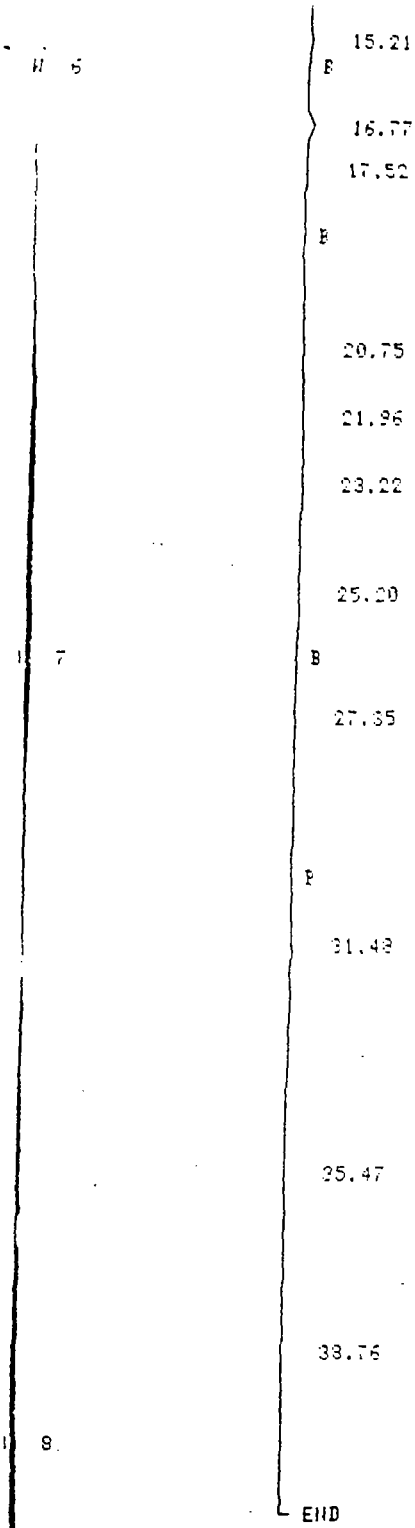
RUN 14 15:38 88/06/07

METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.65	343.5247	V	89.0750
1.65	3.6376	V	0.9432
2.77	0.7745	V	0.2008
4.27	3.3836	V	0.8773
4.76	3.7942	V	0.9838
5.50	3.2506	V	0.8428
5.94	2.1273	V	0.5516
7.26	1.5468	V	0.4010
7.91	9.8536	V	2.5550
10.32	0.6740	V	0.1747
12.21	2.4308	V	0.6303
13.48	0.5568	V	0.1443
13.95	2.7125	V	0.7033
15.20	1.5767	V	0.4088
16.78	1.5875	V	0.4116
17.54	1.2296		0.3188
20.74	0.6531	V	0.1693
23.24	0.6499		0.1685
25.27	0.6041		0.1566
31.60	1.0890	V	0.2823

20 PEAKS > AREA/HT REJECT

8052122 p.2



RUN 15 16:32 88/06/07

METHOD 3 PHENOLS 8040 CALCULATION: %

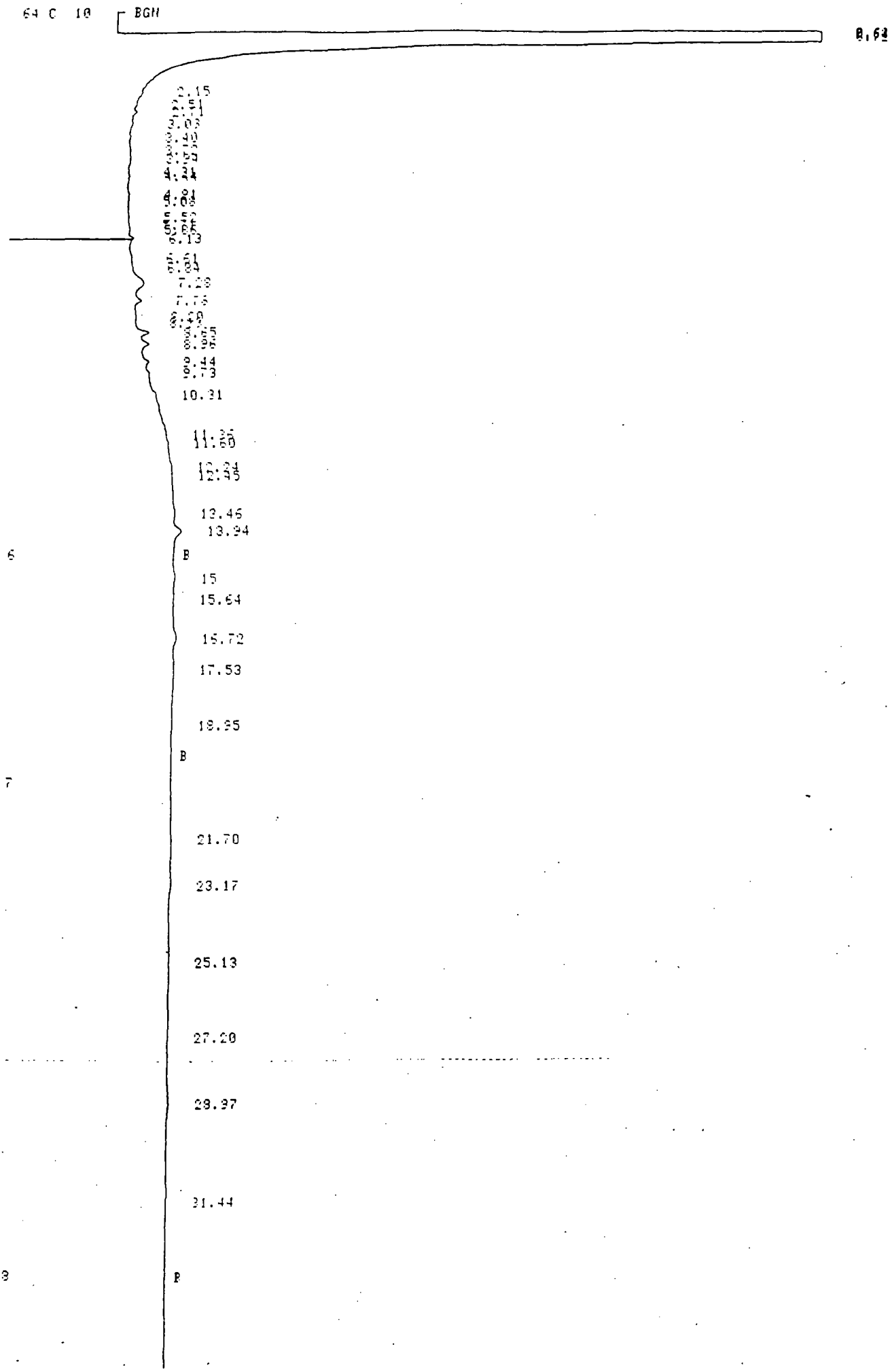
RT	AREA	BC	AREA %
0.66	699.6800	V	97.0783
1.14	1.0787	V	0.1496
2.76	2.0712	V	0.2873
4.50	0.5621	V	0.0779
5.11	0.7765	V	0.1077
5.53	0.5627	V	0.0780
6.52	1.1692	V	0.1622
7.20	5.5515	V	0.7702
8.23	0.5622	V	0.0780
8.89	0.7369	V	0.1025
12.38	1.1305	V	0.1569
13.96	2.6022	V	0.3610
16.77	1.4359	V	0.1992
23.22	1.0494	V	0.1454
27.35	0.5731		0.0795
31.48	1.1940	V	0.1656

RUN 16 17:21 88/06/07

METHOD 3 PHENOLS 8040

8052123 50:3 2X

A 64 C 10 BGN



8052123p.2

6 B

15

15.64

16.72

17.53

18.95

B

7

21.70

23.17

25.13

27.20

28.97

31.44

8 B

END

RUN 16 17:21 88/06/07

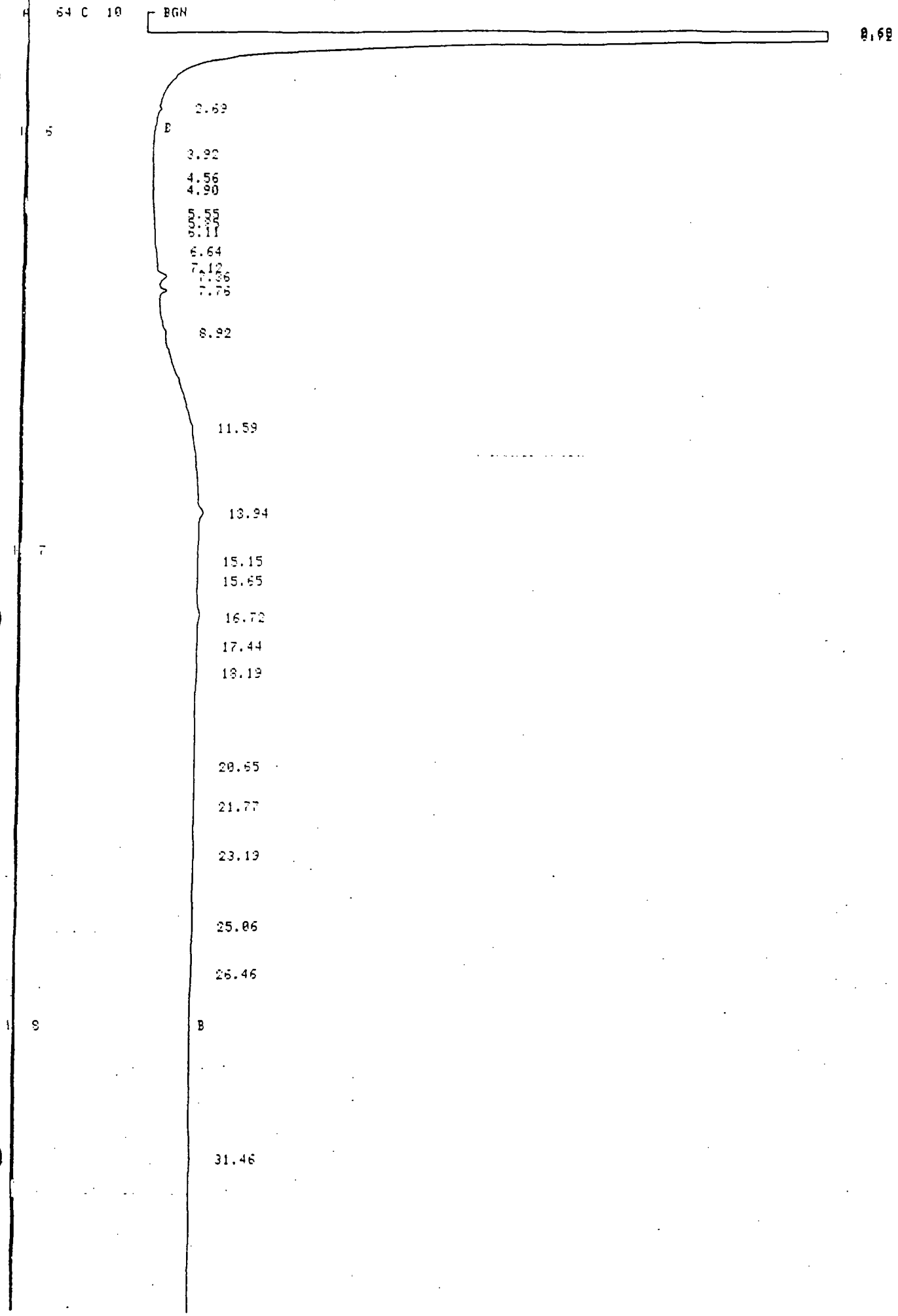
METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.62	9.6821	V	3.5122
0.64	252.4057	V	91.5604
6.13	0.6440	V	0.2336
7.28	3.0350	V	1.1010
7.78	0.8883	V	0.3222
8.65	1.1453	V	0.4155
8.96	1.1474	V	0.4162
9.44	0.5854	V	0.2123
13.94	1.9203		0.6969
16.72	1.1061	V	0.4012
23.17	0.5036	V	0.1948
28.97	1.7623	V	0.6393
31.44	0.8304		0.2012

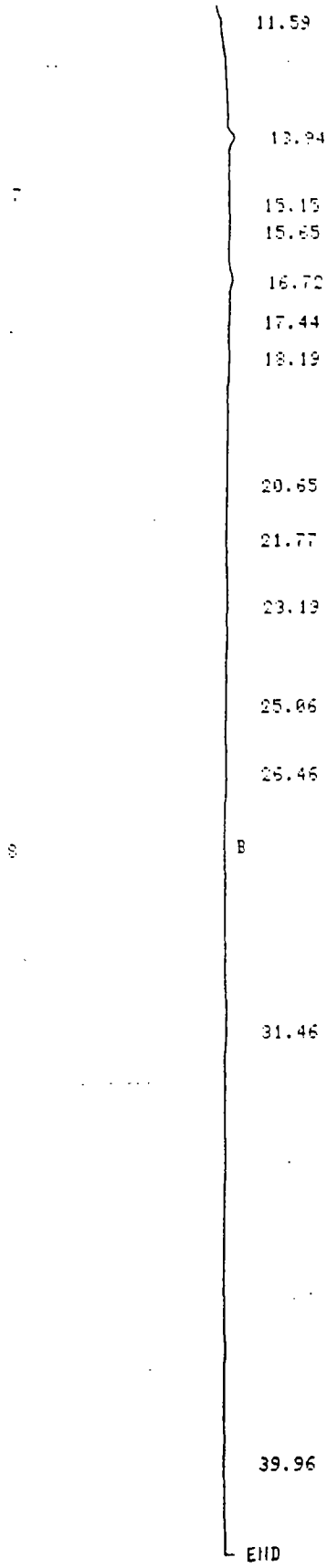
RUN 17 18:07 88/06/07 8052124 50:2.7 2λ

METHOD 3 PHENOLS 8040

A 64 C 10 BGN



8052124 p.2



RUN 17 18:07 88/06/07

METHOD 3 PHENOLS 8040 CALCULATION: %

RT	AREA	BC	AREA %
0.65	323.2719	U	95.7734
7.36	1.8436	U	0.5461
7.76	0.8429	U	0.2497
11.59	0.5629	U	0.1667
13.94	5.8579	U	1.7354
16.72	0.9158	U	0.2713
23.19	0.6073	U	0.1799

SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222 • FAX (415) 364-9233

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/24/88
Date Received: 05/24/88
Date Reported: 06/10/88
Project: #JCO-104H

Q.C. DATA REPORT

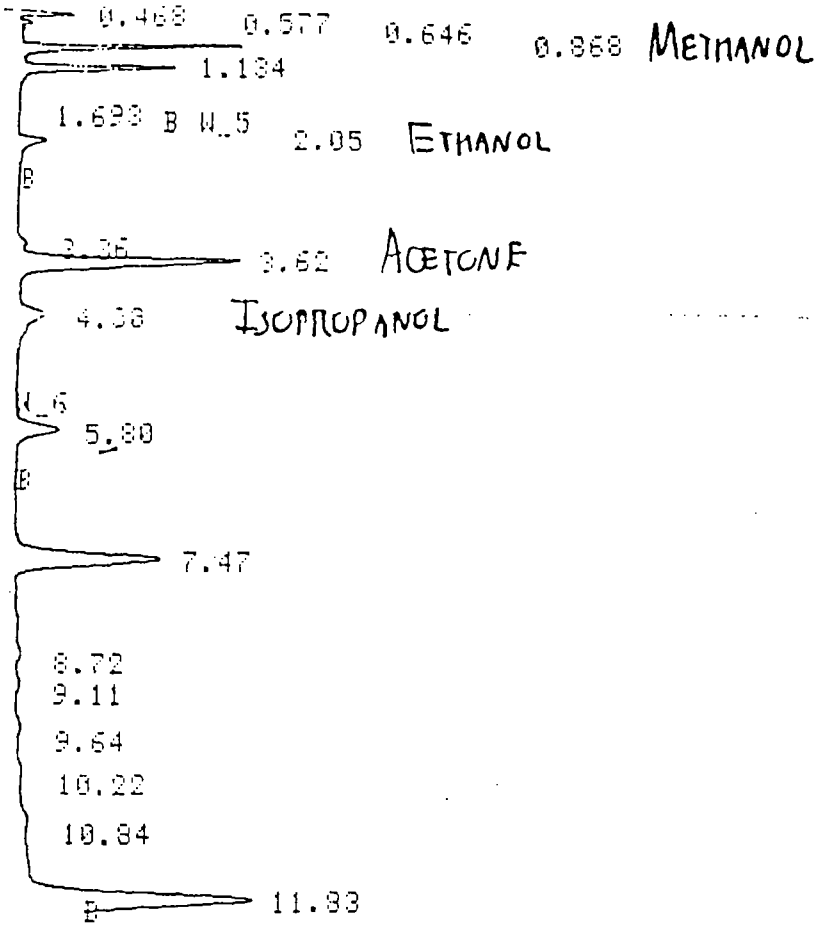
Analyst: B. Bjorkman
Date of Analysis: 6/6/88
Method of Analysis: Alcohols by G.C.
Detection Limit: 0.5
Units: mg/kg

Sample Number	Analyte	Original Result	Duplicate Result	% Deviation
8052119	Methanol	23.7	22.2	3.0
	Ethanol	15.7	14.3	5.1

Sample Number	Analyte	Sample Contribution	Spike Added	Spike Result	% Recovery
8052119	Methanol	9.0	10	22.2	132
	Ethanol	< 0.5	10	14.3	141

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director



8052114
10g

G/G

WAHLER SOILS
ALCOHOLS / ACETONE
ON I200 / HS-100

FILE 2 RUN 2 STARTED 19:07.8 88/06/06 WAHLER
% METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
0.468	20944		V	2.8540	
0.577	3468		V	0.4726	
0.646	557		V	0.0758	
0.868	68257		V	9.3012	
1.134	58823		V	8.0157	
1.693	410			0.0558	
2.05	23134			3.1524	
3.36	1141		V	0.1555	
3.62	178342		V	24.3024	
4.30	34946		V	4.7620	
5.80	44517			6.0663	
7.47	165020		V	22.4871	
8.72	10665		V	1.4533	
9.11	4466		V	0.6085	
9.64	4204		V	0.5728	
10.22	2250		V	0.3066	
10.84	3190		V	0.4347	
11.83	109513			14.9232	

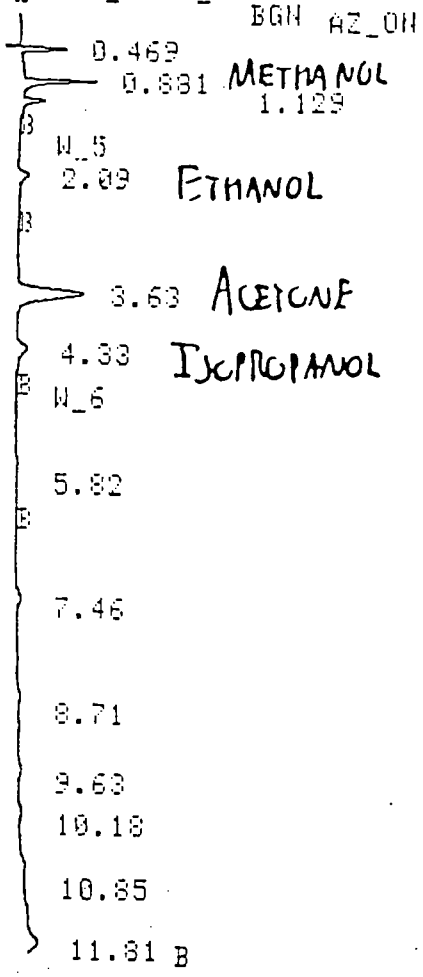
18 PEAKS > AREA REJECT 733844 TOTAL AREA
0 PEAKS > HEIGHT REJECT 0.0000 TOTAL HEIGHT

FILE 3 RUN 3 STARTED 19:24.9 88/06/06 WAHLER

18 PEAKS > AREA REJECT 733844 TOTAL AREA
0 PEAKS > HEIGHT REJECT 0.0000 TOTAL HEIGHT

FILE 3 RUN 3 STARTED 19:24.9 88/06/06 WAHLER
% METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

W_4 A_16 C_10 O_5

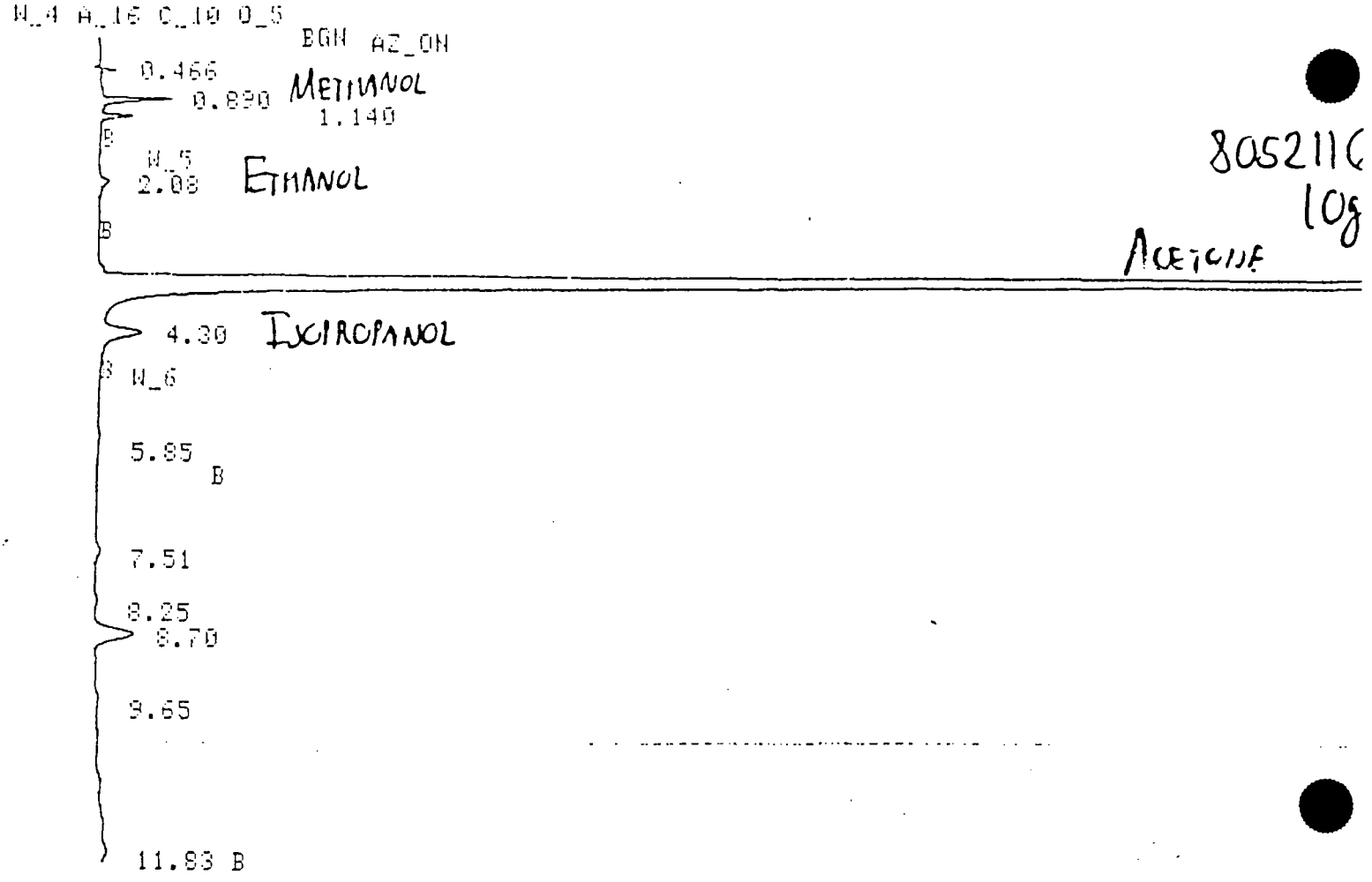


8052115
10g

FILE 3 RUN 3 STARTED 19:24.9 88/06/06 WAHLER
% METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
0.469	18188		V	10.2507	
0.881	26381		V	14.8683	
1.129	9011			5.0786	
2.09	8935			5.0357	
3.63	61344		V	34.5730	
4.33	9964			5.6157	
5.82	2719			1.5324	
7.46	5563		V	3.1317	
8.71	5647		V	3.1827	
9.63	3316		V	1.8689	
10.18	3222		V	1.8159	
10.85	3603		V	2.0307	
11.81	19439			10.9558	

FILE 4 RUN 4 STARTED 19:41.9 88/06/06 WAHLER
% METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01



FILE 4 RUN 4 STARTED 19:41.9 88/06/06 WAHLER
% METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

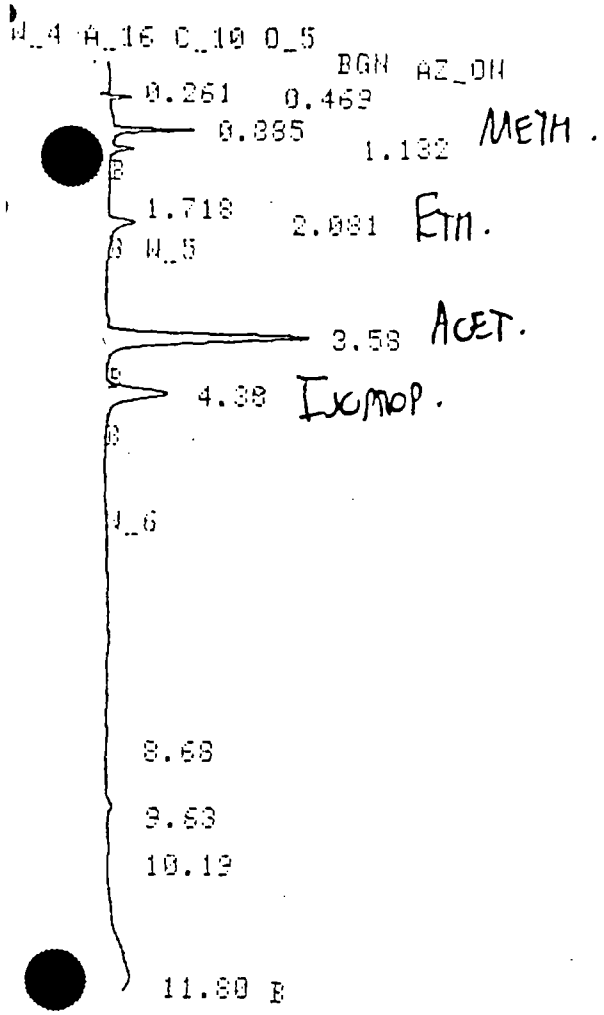
RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
0.466	7733		V	0.3075	
0.890	30089		V	1.1966	
1.140	10360			0.4120	
2.08	11509			0.4577	
3.58	2329256	322.1149	V	92.6368	100.0000
4.30	40602			1.6148	
5.85	3911			0.1555	
7.51	9656		V	0.3840	
8.25	2950		V	0.1173	
8.70	52339		V	2.0816	
9.65	4720		V	0.1877	
11.83	11273			0.4483	

12 PEAKS > AREA REJECT 2514396 TOTAL AREA
1 PEAK > HEIGHT REJECT 322.1149 TOTAL HEIGHT

% METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

3052117

10g



FILE 7 RUN 7 STARTED 20:33.1 88/06/06 WAHLER
% METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

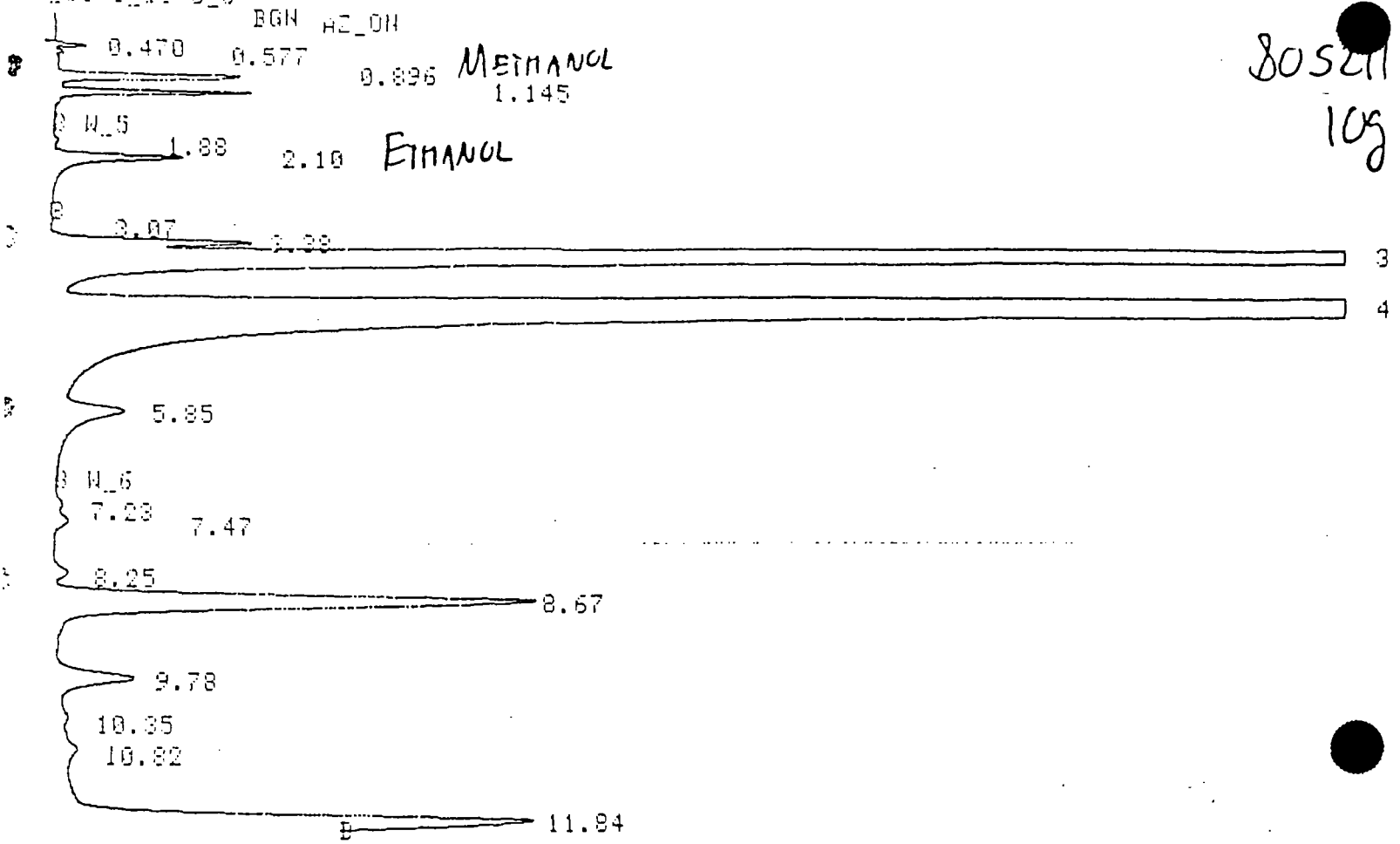
RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
0.261	11040		V	3.4538	
0.469	7198		V	2.2520	
0.885	24639		V	7.7085	
1.132	6435			2.0131	
1.718	868		V	0.2716	
2.081	19688			6.1596	
3.58	164872			51.5818	
4.30	61948			19.3810	
8.68	2131		V	0.6667	
9.63	3381		V	1.0578	
10.19	1993		V	0.6235	
11.80	15440			4.8306	

12 PEAKS > AREA REJECT 319632 TOTAL AREA
0 PEAKS > HEIGHT REJECT 0.0000 TOTAL HEIGHT

FILE 8 RUN 8 STARTED 20:50.2 88/06/06 WAHLER
% METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

LE 9 RUN 9 STARTED 21:07.2 88/06/06 WAHLER
METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

A_16 C_10 D_5

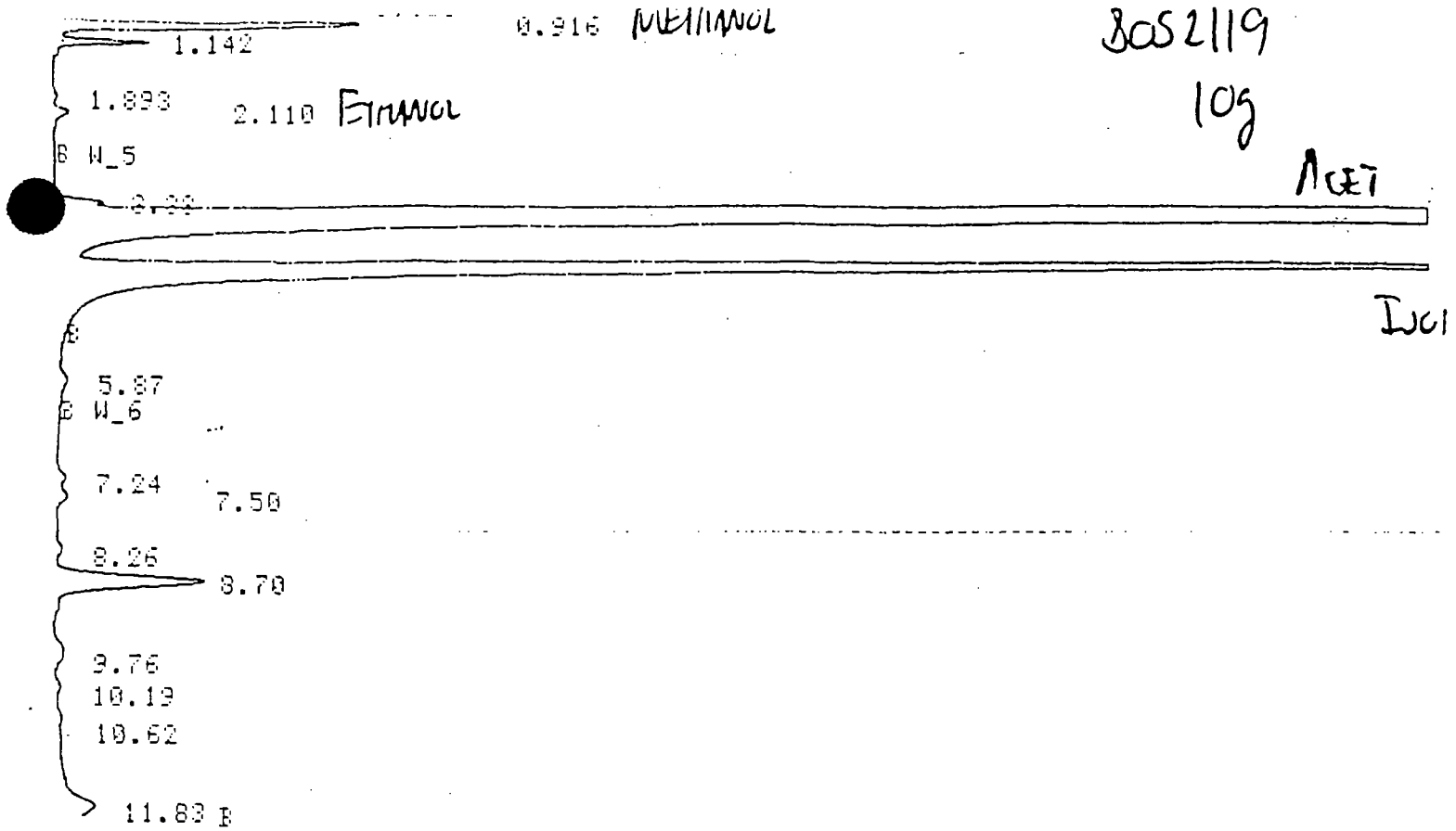


80521
10g

ILE 9 RUN 9 STARTED 21:07.2 88/06/06 WAHLER
METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
.470	13638		V	0.0633	
.577	2593		V	0.0120	
.896	118638		V	0.5507	
.145	88571			0.4111	
.88	3198		V	0.0148	
.10	120204			0.5579	
.07	985		V	0.0046	
.38	55483		V	0.2575	
.58	6709865	936.4659	V	31.1435	40.1433
.82	13448675	1396.3425	V	62.4214	59.8567
.85	105335			0.4889	
.23	3426		V	0.0159	
.47	7420		V	0.0344	
.25	14165		V	0.0657	
.67	722575		V	3.3538	
.78	107512		V	0.4990	
.35	5062		V	0.0235	
.82	17636		V	0.0819	

18 PEAKS > AREA REJECT 21544979 TOTAL AREA
2 PEAKS > HEIGHT REJECT 2332.8034 TOTAL HEIGHT

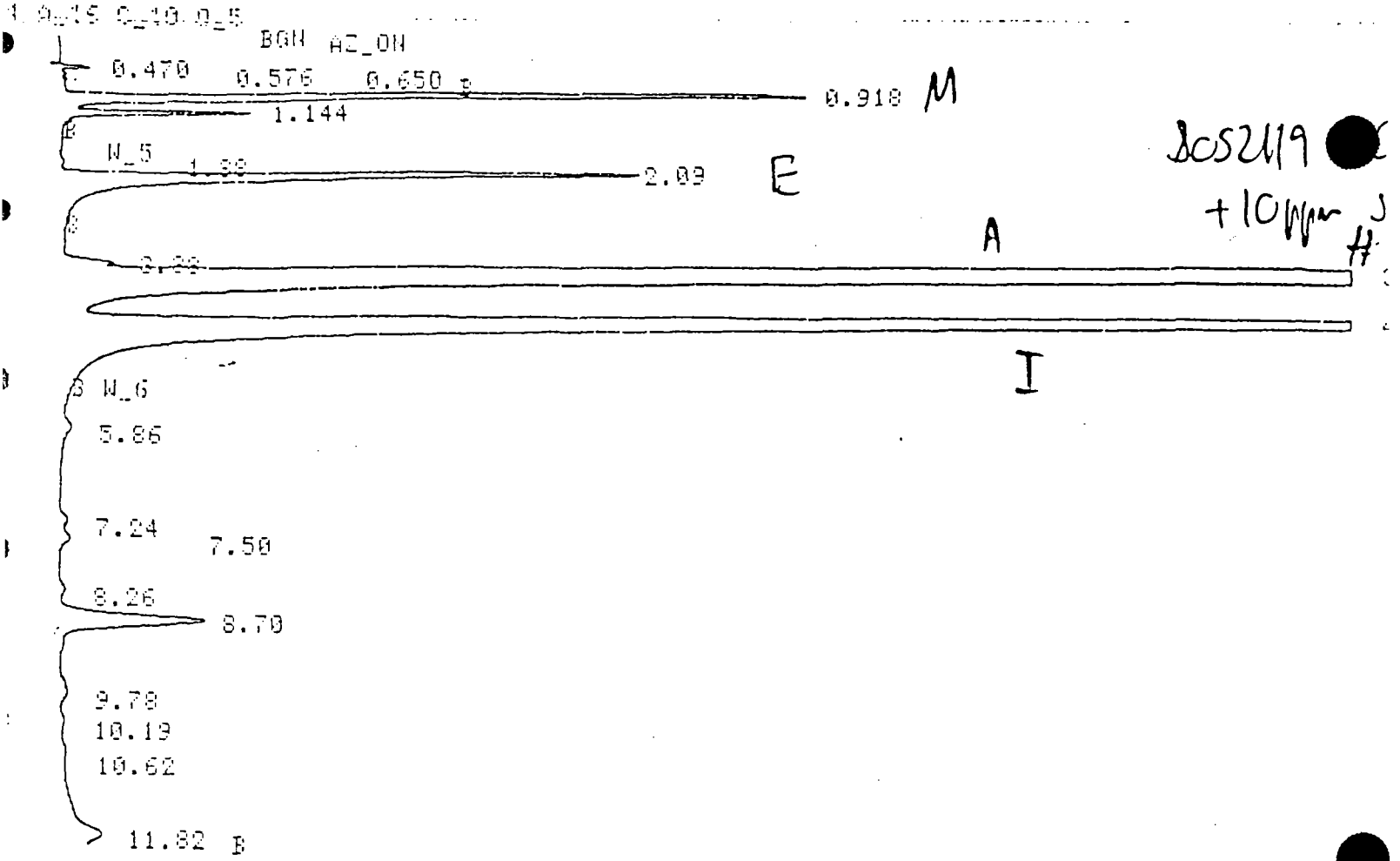


FILE 12 RUN 12 STARTED 21:58.4 88/06/06 WAHLER
METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
.470	14292		V	0.0900	
.580	1631		V	0.0103	
.650	954		V	0.0060	
.916	183805		V	1.1570	
.142	30881		V	0.1944	
.893	2544		V	0.0160	
.110	13094			0.0824	
.58	13660490	1903.9595	V	85.9892	91.5467
.32	1709875	175.8081		10.7632	8.4533
.87	11465			0.0722	
.24	4791		V	0.0302	
.50	4337		V	0.0273	
.26	6402		V	0.0403	
.70	194431		V	1.2239	
.76	16179		V	0.1018	
.19	4115		V	0.0259	
.62	5428		V	0.0342	
.83	21580			0.1358	

18 PEAKS > AREA REJECT 15886291 TOTAL AREA
2 PEAKS > HEIGHT REJECT 2079.7676 TOTAL HEIGHT

LE 13 RUN 13 STARTED 22:15.5 88/06/06 WAHLER
METHOD 2 ALCO/ACETONE LAST EDITED 00:05.0 80/01/01

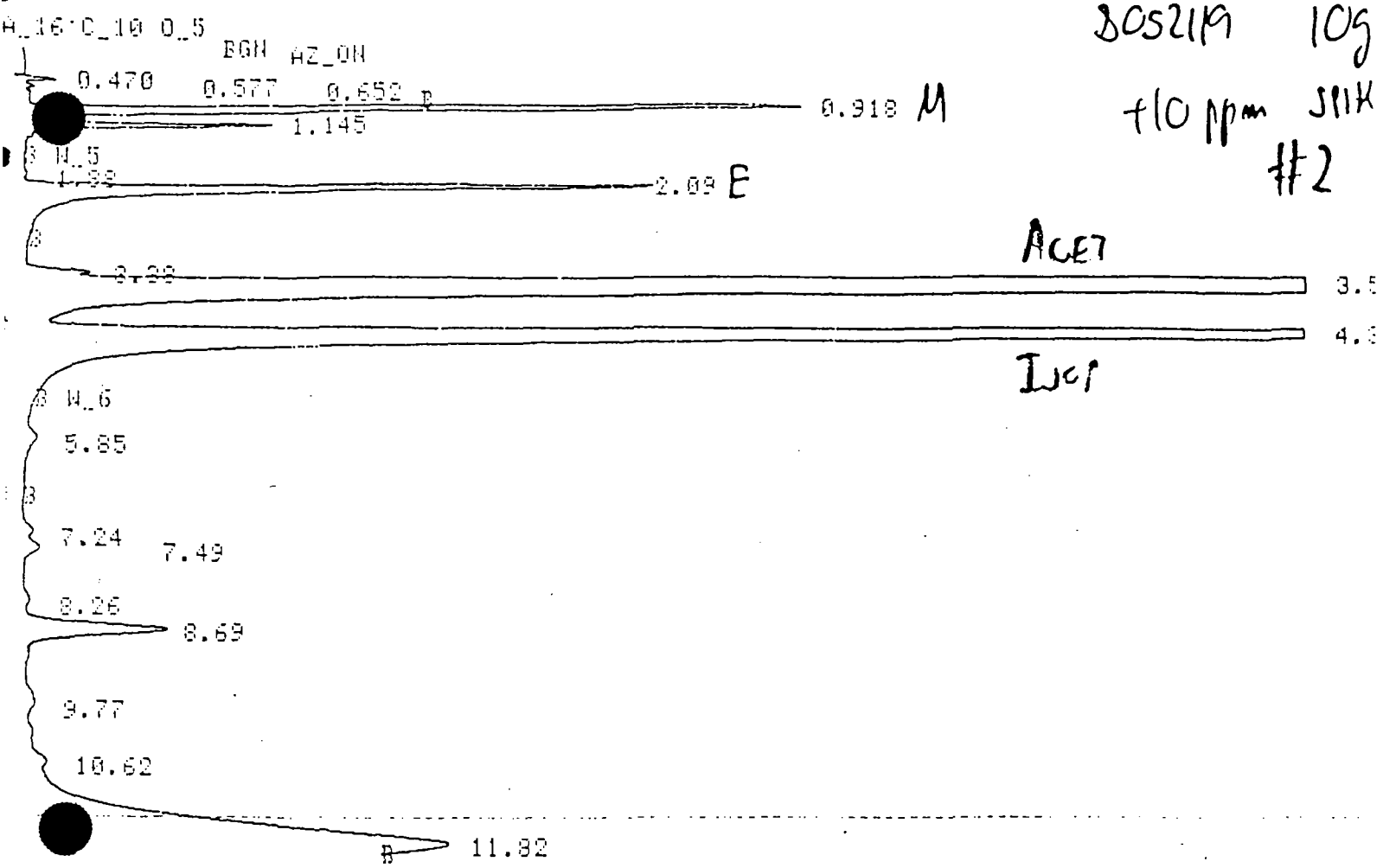


ILE 13 RUN 13 STARTED 22:15.5 88/06/06 WAHLER
METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
470	11544		V	0.0605	
576	1640		V	0.0086	
650	1798			0.0094	
918	455624		V	2.3876	
144	75792			0.3972	
88	2052		V	0.0108	
09	498557			2.6126	
38	3464		V	0.0182	
58	14887660	2072.7520	V	78.0162	87.5266
32	2865829	295.3881		15.0179	12.4734
86	11282		V	0.0591	
24	2387		V	0.0125	
50	4979		V	0.0261	
26	6403		V	0.0336	
70	202303		V	1.0601	
78	15126		V	0.0793	
19	4445		V	0.0233	
32	5831		V	0.0306	
32	26056			0.1365	

19 PEAKS > AREA REJECT 19082771 TOTAL AREA
2 PEAKS > HEIGHT REJECT 2368.1400 TOTAL HEIGHT

LE 14 RUN 14 STARTED 22:32.5 88/06/06 WAHLER
METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01



805219 10g
+10 ppm SILK
#2

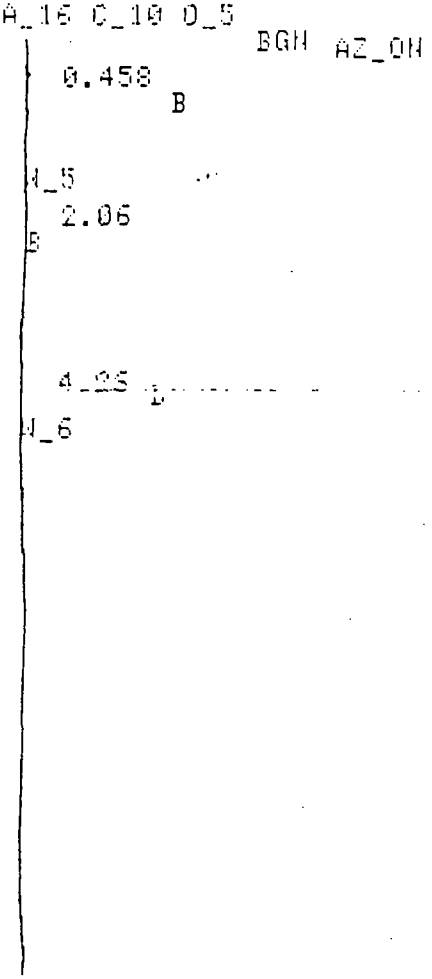
: 14 RUN 14 STARTED 22:32.5 88/06/06 WAHLER
ETHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
0	13402		V	0.0682	
7	3134		V	0.0160	
2	1788			0.0091	
8	485192		V	2.4707	
5	95100			0.4843	
	1959		V	0.0100	
	546290			2.7818	
	2108		V	0.0107	
	15252241	2119.3635	V	77.6668	87.2928
	2991353	308.5161		15.2324	12.7072
	14436			0.0735	
	879		V	0.0045	
	7477		V	0.0381	
	5770		V	0.0294	
	201166		V	1.0244	
	13920		V	0.0709	
	1838		V	0.0093	

PEAKS > AREA REJECT 19638046 TOTAL AREA
PEAKS > HEIGHT REJECT 2427.8797 TOTAL HEIGHT

FILE 5 RUN 5 STARTED 19:59.0 88/06/06 WAHLER
% METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

4 A_16 C_10 D_5
BGN AZ_ON



3052120

log

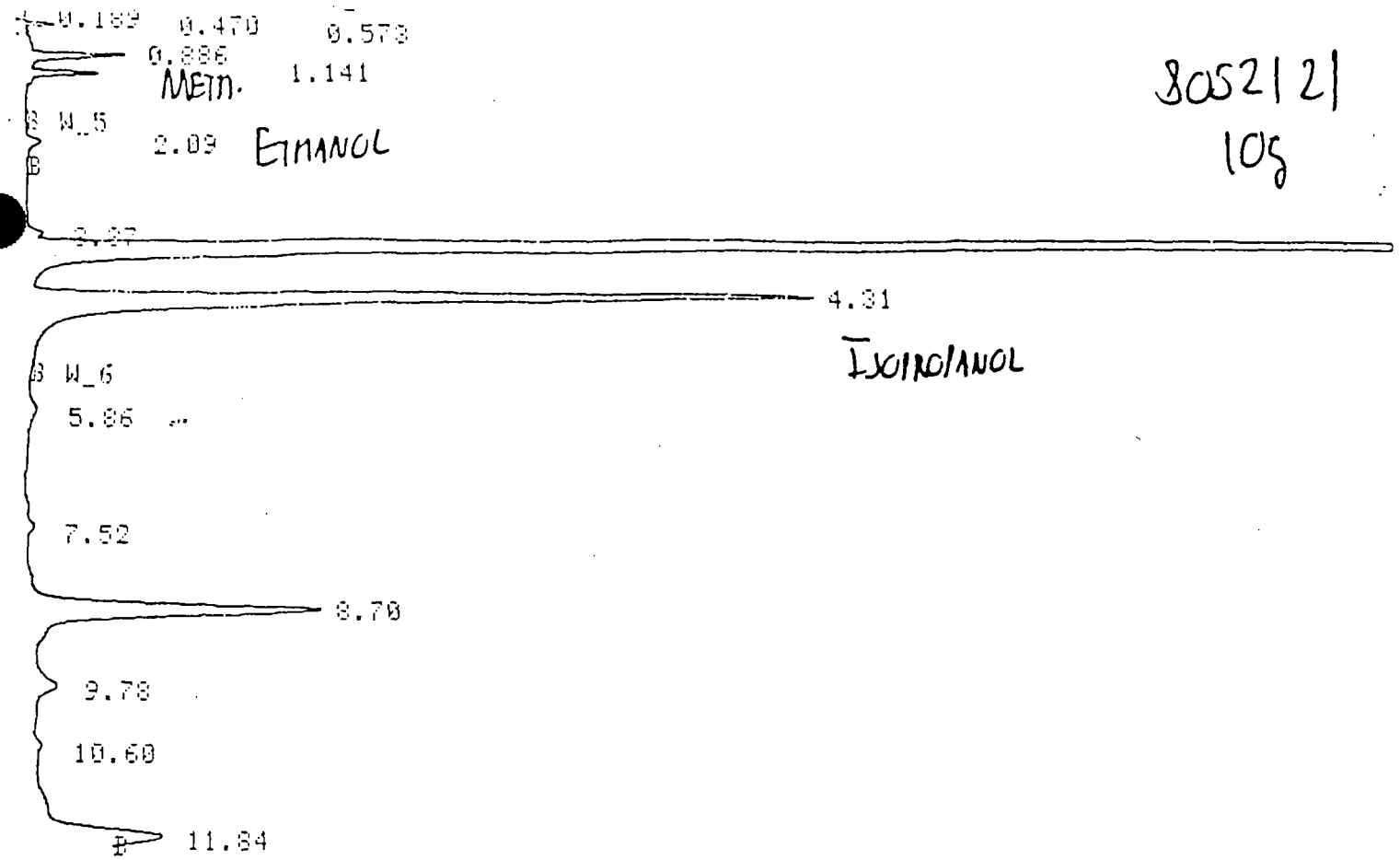
FILE 5 RUN 5 STARTED 19:59.0 88/06/06 WAHLER
% METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
0.458	1467			40.7609	
2.06	1245			34.5928	
4.26	887			24.6462	

3 PEAKS > AREA REJECT 3599 TOTAL AREA
0 PEAKS > HEIGHT REJECT 0.0000 TOTAL HEIGHT

FILE 6 RUN 6 STARTED 20:16.1 88/06/06 WAHLER
% METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

A_16 C_10 D_5
BGN AZ_ON



805212
10g

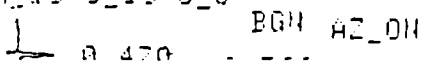
FILE 10 RUN 10 STARTED 21:24.3 88/06/06 WAHLER
METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

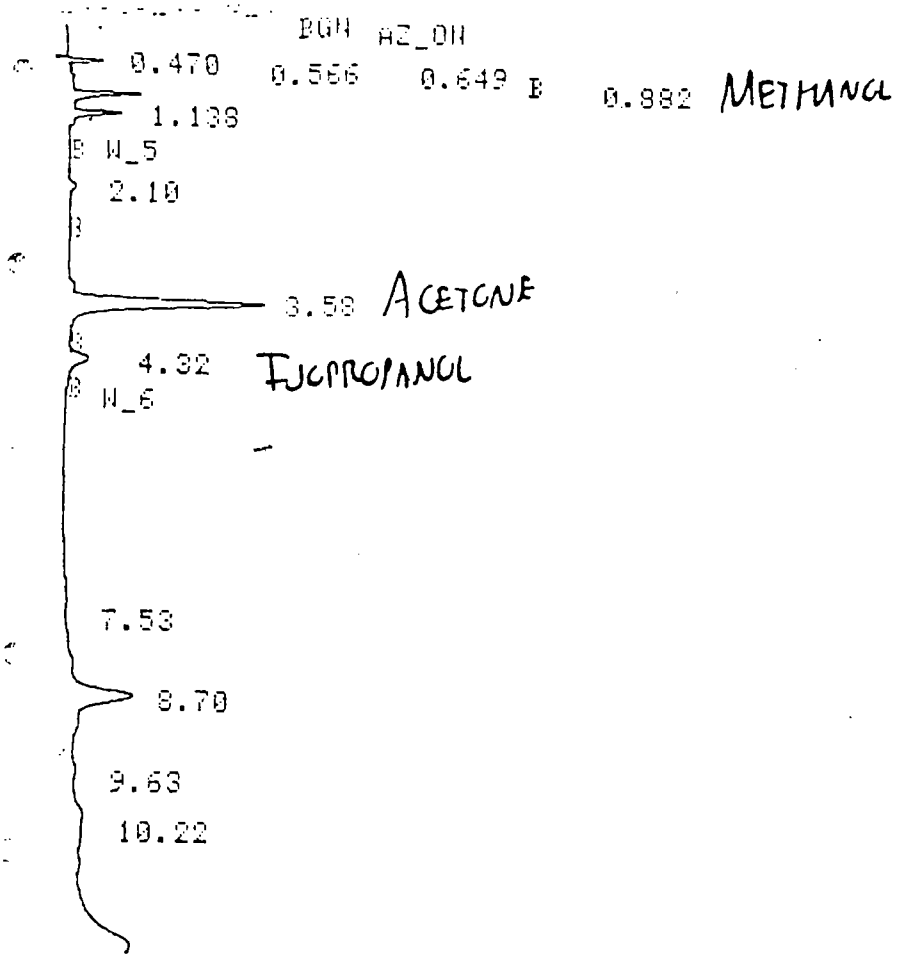
RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
0.189	13549		V	0.4042	
0.470	10724		V	0.3199	
0.573	917		V	0.0274	
0.886	50444		V	1.5047	
1.141	22407			0.6684	
2.09	12782			0.3813	
3.58	1899426	259.9202	V	56.6585	100.0000
4.31	867460			25.8757	
5.86	15535		V	0.4634	
7.52	11665		V	0.3479	
8.70	398947		V	11.9003	
9.78	39549		V	1.1797	
10.60	9009		V	0.2687	

13 PEAKS > AREA REJECT 3352412 TOTAL AREA
1 PEAK > HEIGHT REJECT 259.9202 TOTAL HEIGHT

FILE 11 RUN 11 STARTED 21:41.3 88/06/06 WAHLER
METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

A_16 C_10 D_5





8052122

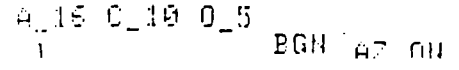
.LE 11 RUN 11 STARTED 21:41.3 88/06/06 WAHLER
METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

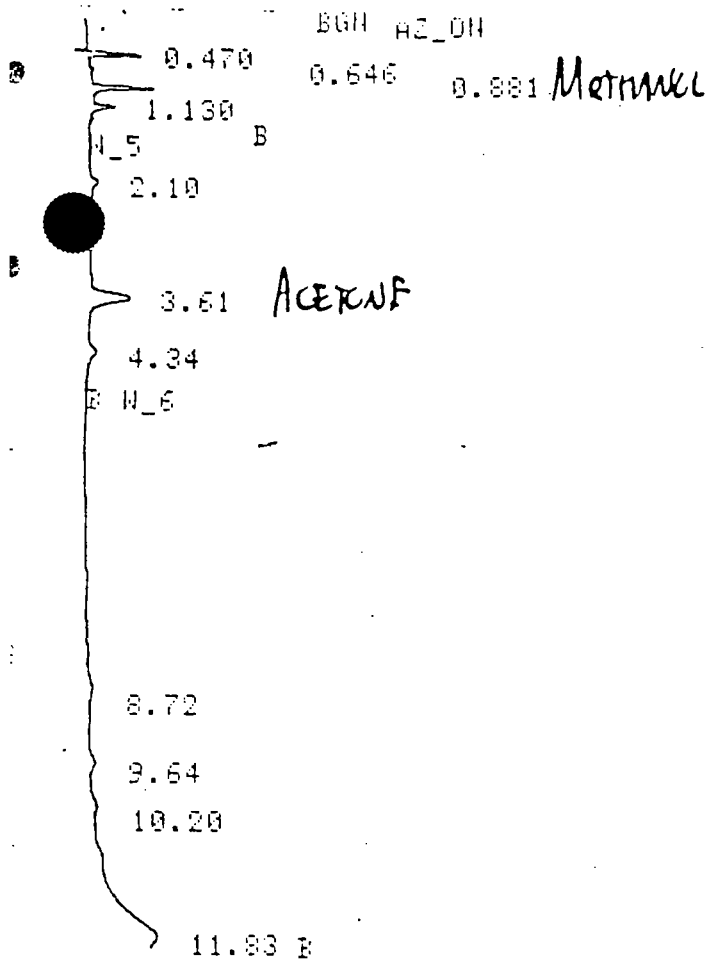
RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
.470	12812		V	3.2772	
.566	927		V	0.2370	
.649	1752			0.4482	
.882	23405		V	5.9869	
.138	18113			4.6332	
.10	7178			1.8360	
.58	164855			42.1690	
.32	21510			5.5020	
.53	4432		V	1.1337	
.70	107245		V	27.4325	
.63	4357		V	1.1145	
.22	24355		V	6.2299	

12 PEAKS > AREA REJECT 390939 TOTAL AREA
0 PEAKS > HEIGHT REJECT 0.0000 TOTAL HEIGHT

.LE 12 RUN 12 STARTED 21:58.4 88/06/06 WAHLER
METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

A_15 C_10 O_5





8052123

10g

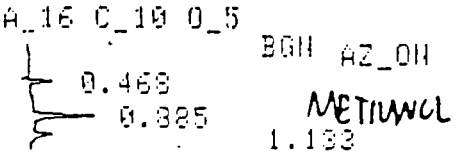
TI 16 RUN 16 STARTED 23:06.6 88/06/06 WAHLER
METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

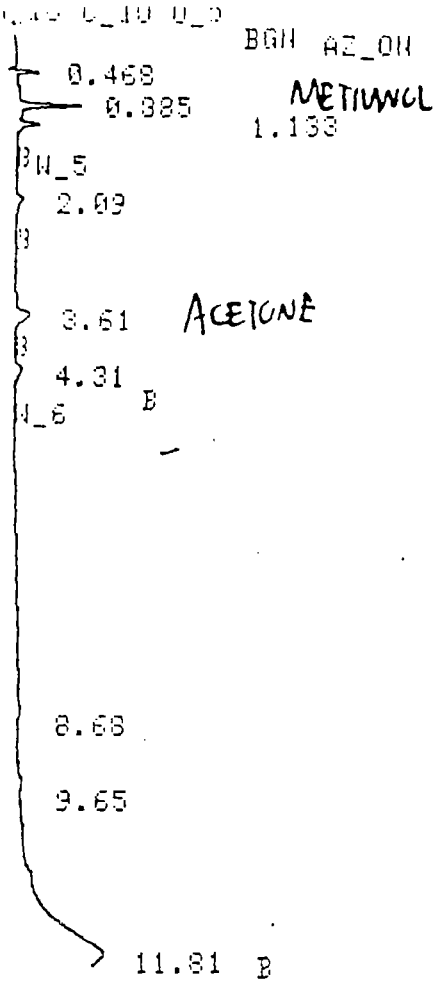
RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
0.470	23009		V	18.9197	
0.646	736		V	0.6052	
0.881	19315		V	15.8818	
1.130	9421			7.7466	
2.10	6763		V	5.5606	
3.61	41108		V	33.8020	
4.34	9323			7.6661	
8.72	5429		V	4.4637	
9.64	3431		V	2.8212	
10.20	3081		V	2.5330	

10 PEAKS > AREA REJECT 121614 TOTAL AREA
0 PEAKS > HEIGHT REJECT 0.0000 TOTAL HEIGHT

ID 17 RUN 17 STARTED 23:23.7 88/06/06 WAHLER
METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

A_16 C_10 O_5





8052124

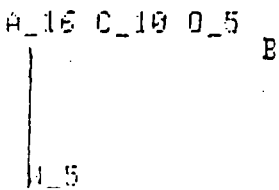
10g

FILE 17 RUN 17 STARTED 23:23.7 88/06/06 WAHLER
% METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
0.468	8416		V	12.5337	
0.885	18117		V	26.9803	
1.133	4698			6.9966	
2.09	5711			8.5052	
3.61	16938			25.2252	
4.31	6924			10.3117	
8.68	4636		V	6.9035	
9.65	1708		V	2.5437	

8 PEAKS > AREA REJECT 67147 TOTAL AREA
0 PEAKS > HEIGHT REJECT 0.0000 TOTAL HEIGHT

FILE 18 RUN 18 STARTED 23:42.7 88/06/06 WAHLER
METHOD 2 ALCO/ACETONE LAST EDITED 00:05.2 80/01/01



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SEQUOIA Analytical Laboratory
2549 Middlefield Road
Redwood City, CA 94063 • (415) 364-9222 • FAX (415) 364-9233

Wahler Associates
1023 Corporation Way
Palo Alto, CA 94303
Attn: Bob Breynaert

Date Sampled: 05/24/88
Date Received: 05/24/88
Date Reported: 06/10/88
Project: #JCO-104H

Q.C. DATA REPORT

Analyst: G. Emory
Date of Analysis: 6/7/88
Method of Analysis: EPA 8015
Detection Limit: 1-0
Units: mg/kg

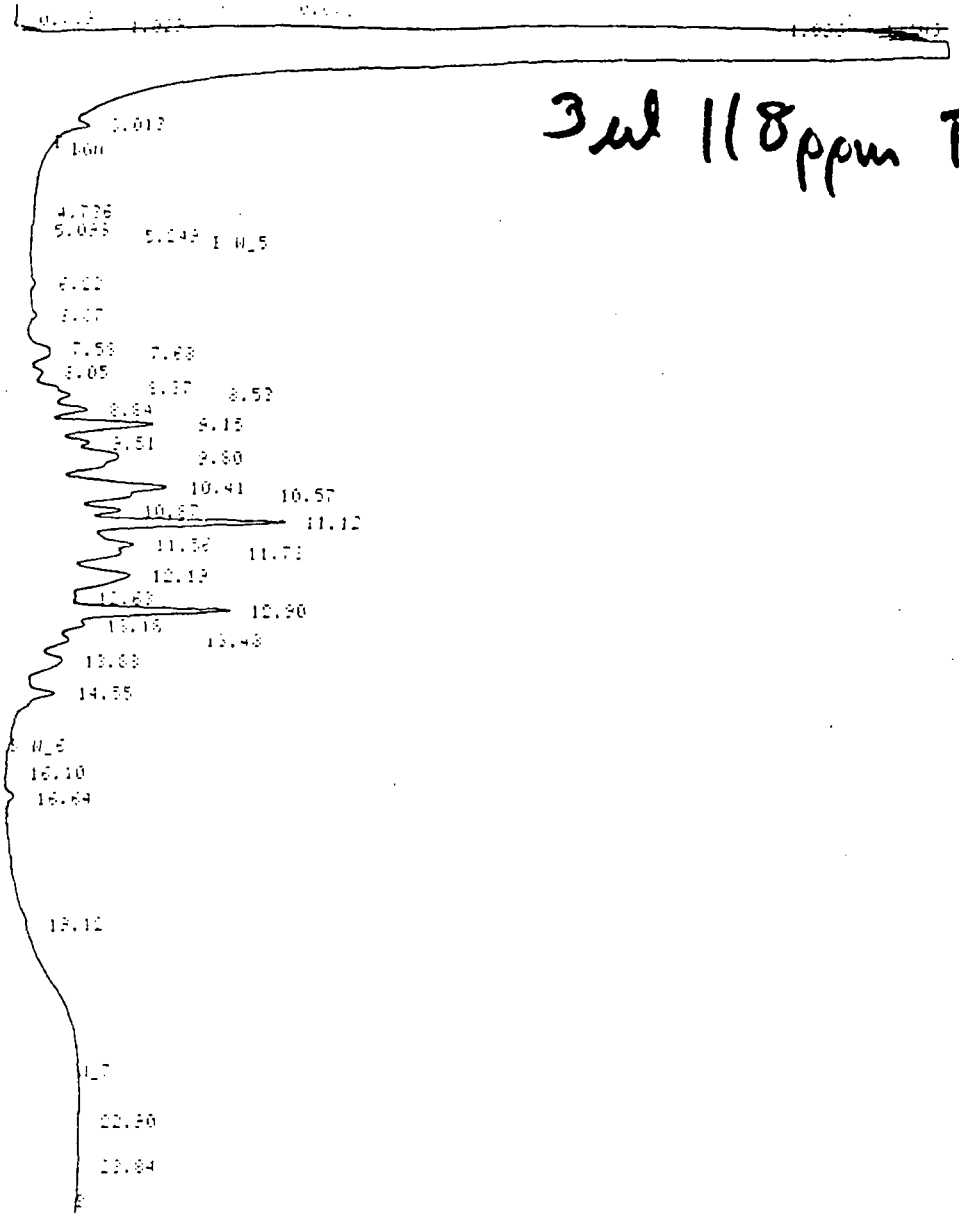
Sample Number	Analyte	Original Result	Duplicate Result	% Deviation
8052118	TPH-Diesel	8.1	7.7	2.5

Sample Number	Analyte	Sample Contribution	Spike Added	Spike Result	% Recovery
8060508	TPH-Diesel	170	55	222	95

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

3ul 118ppm Pt. Thinner



FILE 7 RUN 7 STARTED 14:57.1 80/01/01
% METHOD 1 DIESEL80 LAST EDITED 00:05.0 80/01/01

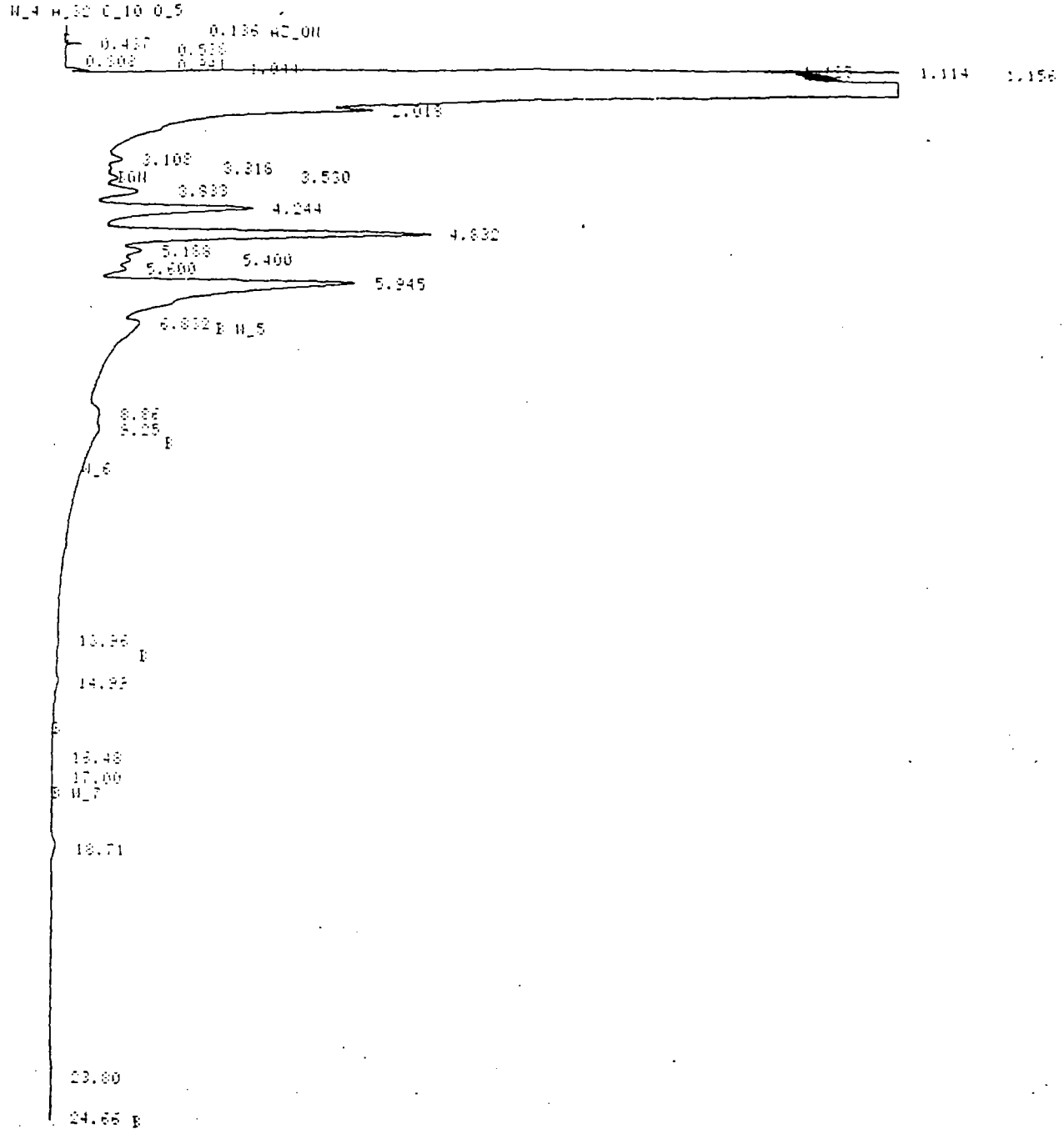
RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.736	1674	0.1381	U	0.0570	0.0471
5.049	445	0.0732	U	0.0152	0.0259
5.249	735	0.0815		0.0251	0.0288
6.22	17992	1.5035	U	0.6130	0.5670
6.87	38624	2.4570	U	1.3166	0.8830
7.58		0.3663	U		0.3134
7.68	7876	1.1989	U	0.2685	0.4240
8.05	24360	2.6062	U	0.8304	0.9216
8.37	7301	1.5021	U	0.2488	0.5312
8.53	31097	4.3068	U	1.0600	1.5230
8.84	96238	10.7139	U	3.3486	3.7887
9.13	324340	31.4438	U	11.3256	11.1192
9.51	32202	5.0872	U	1.0977	1.7813
9.80	251191	16.1132	U	8.5628	5.6971
10.41	192666	18.9716	U	6.5663	6.7088
10.57	22557	3.4387	U	0.7689	1.2160
10.87	78614	10.7087	U	2.6788	3.7868
11.12	524031	62.2661	U	17.8625	22.0187
11.56	54183	7.8194	U	1.8469	2.6944
11.73	43693	4.6455	U	1.4894	1.6423
12.19	319704	18.1726	U	10.8979	6.4263
12.61	4573	0.8132	U	0.1560	0.2876
12.90	452121	50.2650	U	15.4134	17.7748
13.18	22163	3.4016	U	0.7555	1.2030
13.48	44681	4.7645	U	1.5230	1.6848
13.88	123426	7.4612	U	4.4117	2.6385
14.55	100258	9.2212		3.4188	3.4730
16.10	6063	0.5631	U	0.2066	0.1991
16.64	26141	2.5856	U	0.8912	0.9163
19.12		0.5001	U		0.1768
22.90	16704	0.3128	U	0.5694	0.1106
23.84	9247	0.2523		0.3152	0.0892

80 PEAKS AREA REJECT 2933656 TOTAL AREA
HEIGHT REJECT 287.2224 TOTAL HEIGHT

2,814,028 2001-12-20

3rd 118ppm Lacquer Thinner

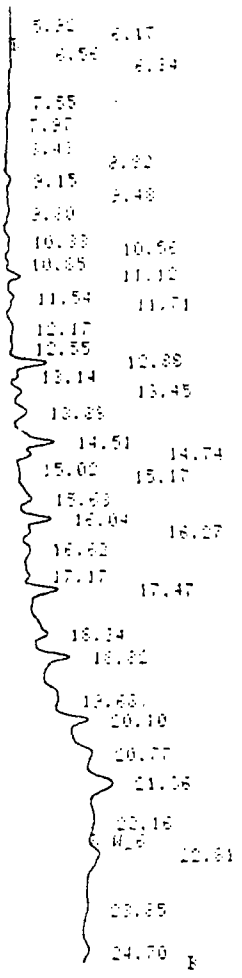
FILE 3 RUN 3 STARTED 16:04.2 80/01/01
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01



FILE 3 RUN 3 STARTED 16:04.2 80/01/01
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
3.530	25022	3.5723	U	0.5971	1.1891
3.833	146904	12.6402	U	3.5048	4.2076
4.244	659748	55.5346	U	15.7401	18.4861
4.832	1277931	114.7406	U	30.4885	38.1942
5.188	42925	5.8245	U	1.0241	1.9388
5.400	15421	2.6411	U	0.3679	0.8792
5.600	34507	4.4898	U	0.8232	1.4945
5.945	1841422	90.4794	U	43.9322	30.1163
6.832	36722	3.3750		0.8759	1.1232
8.86	30686	1.8651	U	0.7321	0.6208
9.25	20931	1.3923		0.4994	0.4635
13.96	3654	0.1778		0.0872	0.0592
14.99	12930	0.9956		0.3085	0.3314
16.48	955	0.0762	U	0.0228	0.0254
17.00	2490	0.1177		0.0594	0.0392
18.71	27285	1.4204	U	0.6510	0.4728
23.80	7690	0.3395	U	0.1835	0.1130
24.66	2283	0.1312		0.0545	0.0437

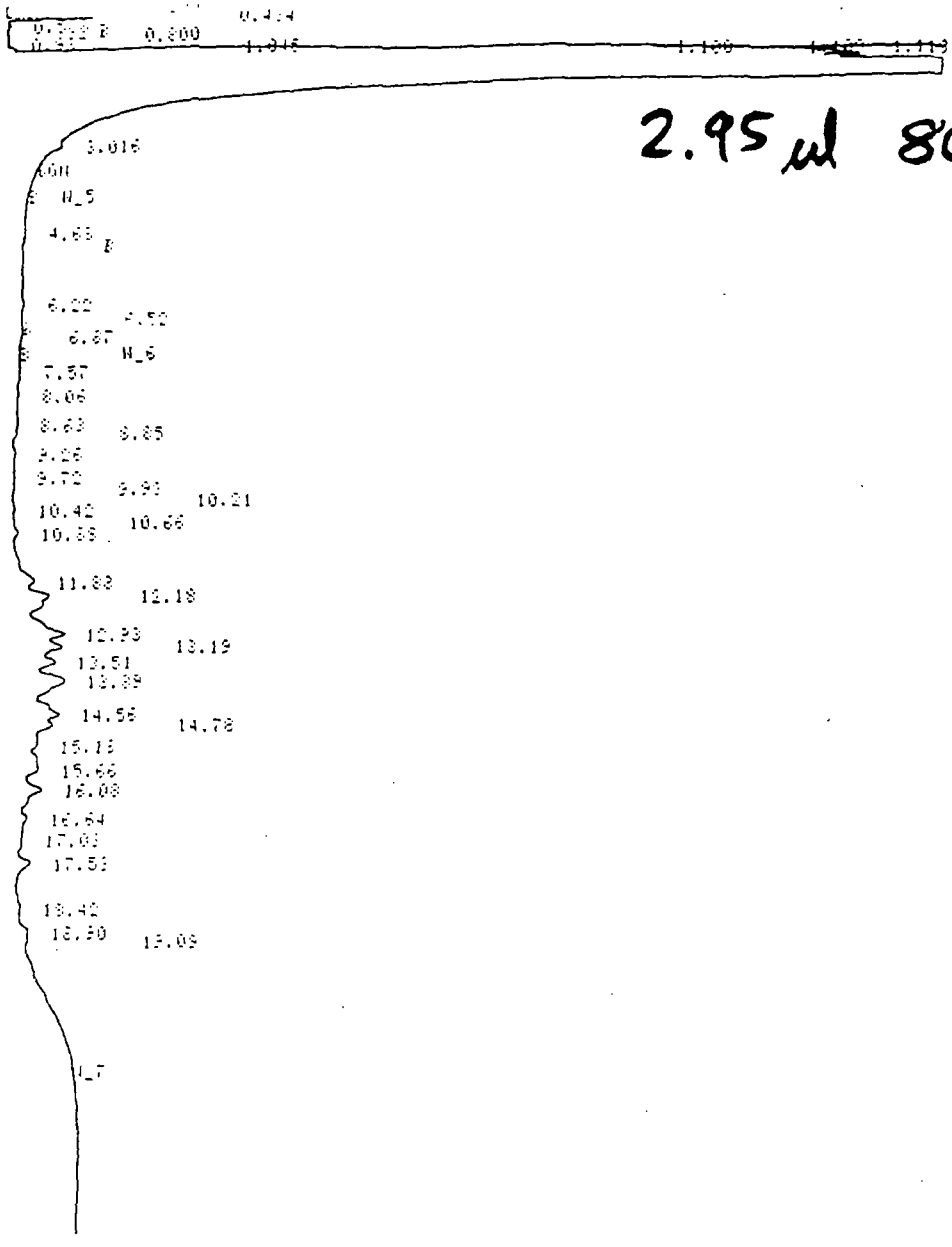
2µl 122 ppm Diesel



FILE 6 RUN 6 STARTED 14:16.2 80/01/01
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.69	1522	0.1659	V	0.0996	0.1321
5.02	1180	0.0984	V	0.0772	0.0733
5.92	674	0.0805	V	0.0441	0.0640
6.17	1627	0.2014		0.1065	0.1604
6.56	817	0.1000	V	0.0535	0.0796
6.84	2093	0.2074	V	0.1363	0.1651
7.55	11589	0.7373	V	0.7585	0.5870
7.97	565	0.1035	V	0.0370	0.0824
8.48	7859	0.5383	V	0.5144	0.4285
8.82	4589	0.5328	V	0.3003	0.4242
9.15	16163	1.5119	V	1.0879	1.2036
9.48	4075	0.5419	V	0.2667	0.4314
9.80	23406	1.3067	V	1.5319	1.0403
10.33	10213	1.0503	V	0.6684	0.8366
10.56	4708	0.6221	V	0.3081	0.4953
10.85	7365	1.0728	V	0.3843	0.8584
11.12	38619	4.4378	V	2.5276	3.5330
11.54	8990	1.3315	V	0.5884	1.0600
11.71	3822	0.4898	V	0.2501	0.3899
12.17	28320	1.7880	V	1.8535	1.4235
12.55	6083	0.7536	V	0.3981	0.5999
12.88	97721	11.0285	V	6.3958	8.7799
13.14	8923	1.3047	V	0.5840	1.0387
13.45	29773	2.9196	V	1.9486	2.3243
13.88	56059	3.8581	V	3.6690	3.0715
14.51	110374	10.3862	V	7.2566	8.2685
14.74	20618	3.0556	V	1.3494	2.4326
15.02	2212	0.3941	V	0.1448	0.3138
15.17	3843	0.7281	V	0.2581	0.5797
15.63	65599	4.3468	V	4.2934	3.4605
16.04	81270	9.1024	V	5.3191	7.2465
16.27	11394	1.4823	V	0.7457	1.1801
16.62	31346	2.2991	V	2.0516	1.8303
17.17	14670	1.5553	V	0.9601	1.2386
17.47	109382	10.4138	V	7.1917	8.2905
18.34	80321	4.7226	V	5.2896	3.7597
18.82	123311	10.2374	V	8.0706	8.1500
19.68	41324	1.9681	V	2.7373	1.5668
20.10	81869	8.1200	V	5.3583	6.4644
20.77	53766	3.9331	V	3.5189	3.1311
21.36	145517	7.9334	V	9.5240	6.3159
22.16	34903	1.4872		2.2843	1.1840
22.81	79396	3.8274	V	5.1964	3.0470
23.85	20801	0.7719	V	1.3614	0.6145
24.70	36646	2.0632		2.3985	1.6425

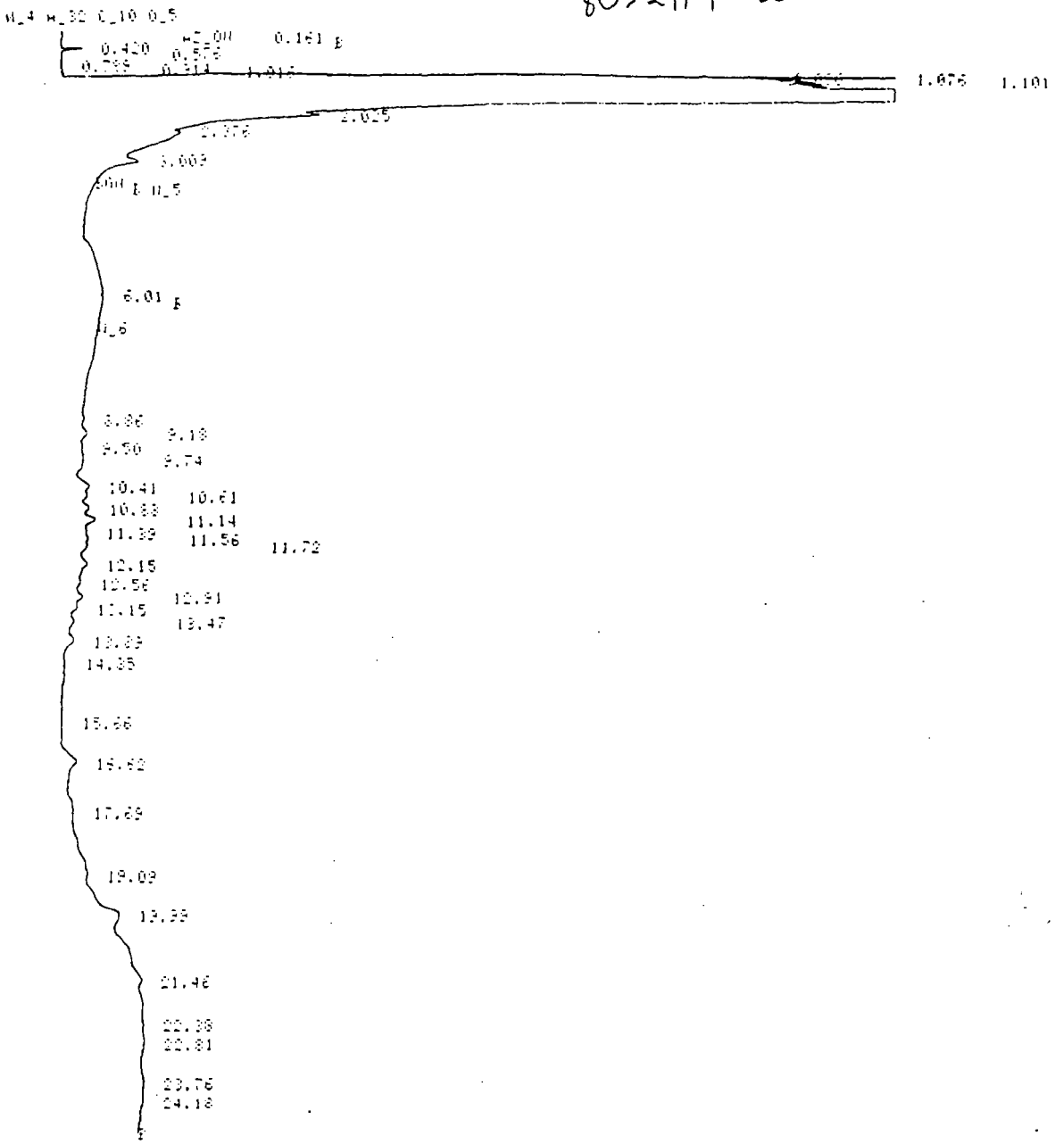
2.95 ul 80ppm Kerosen



FILE 8 RUN 8 STARTED 15:32.9 80/01/01
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.66	599	0.1091		0.1150	0.1572
6.22	7698	0.7317	U	0.8864	1.0540
6.52	487	0.1127		0.0572	0.1624
6.87	4072	0.3991		0.4619	0.5749
7.57	10709	0.6620	U	1.2331	0.9825
8.06	5182	0.5742	U	0.5967	0.8271
8.63	3143	0.3319	U	0.3619	0.4781
8.85	5675	0.6628	U	0.6535	0.9548
9.26	6092	0.7824	U	0.7017	1.1271
9.72	4571	0.4744	U	0.5263	0.6834
9.93	2516	0.3476	U	0.2897	0.5008
10.21	924	0.1702	U	0.1064	0.2452
10.42	4162	0.5886	U	0.4792	0.8480
10.66	2930	0.4575	U	0.3374	0.6590
10.88	12176	1.4093	U	1.4020	2.0301
11.88	18785	2.7711	U	2.1634	3.9919
12.18	104700	6.5656	U	12.0557	9.4561
12.93	80332	6.6520	U	9.2488	9.5825
13.19	39774	4.9577	U	4.5798	7.1418
13.51	41990	4.6134	U	4.8350	6.6457
13.89	151631	8.7328	U	17.4685	12.5813
14.56	67839	4.8489	U	7.8113	6.9851
14.78	20361	2.9709	U	2.3445	4.2737
15.18	14037	1.8101	U	1.6163	1.8873
15.66	66164	3.4315	U	7.6195	4.9433
16.08	86068	5.7137	U	9.9103	8.2385
16.64	22402	2.0902	U	2.5794	3.0111
17.03	11123	0.4906	U	1.2808	0.7067
17.53	53087	4.2406	U	6.1127	6.1082
18.42	10482	0.7400	U	1.2069	1.0660
18.90	3501	1.0017	U	0.4031	1.4430
19.09	2783	0.4467	U	0.3205	0.6435

METHOD 1 DIESEL51 LMIT EDITED 00:05.0 80 01 01 8052114 50:2 3λ

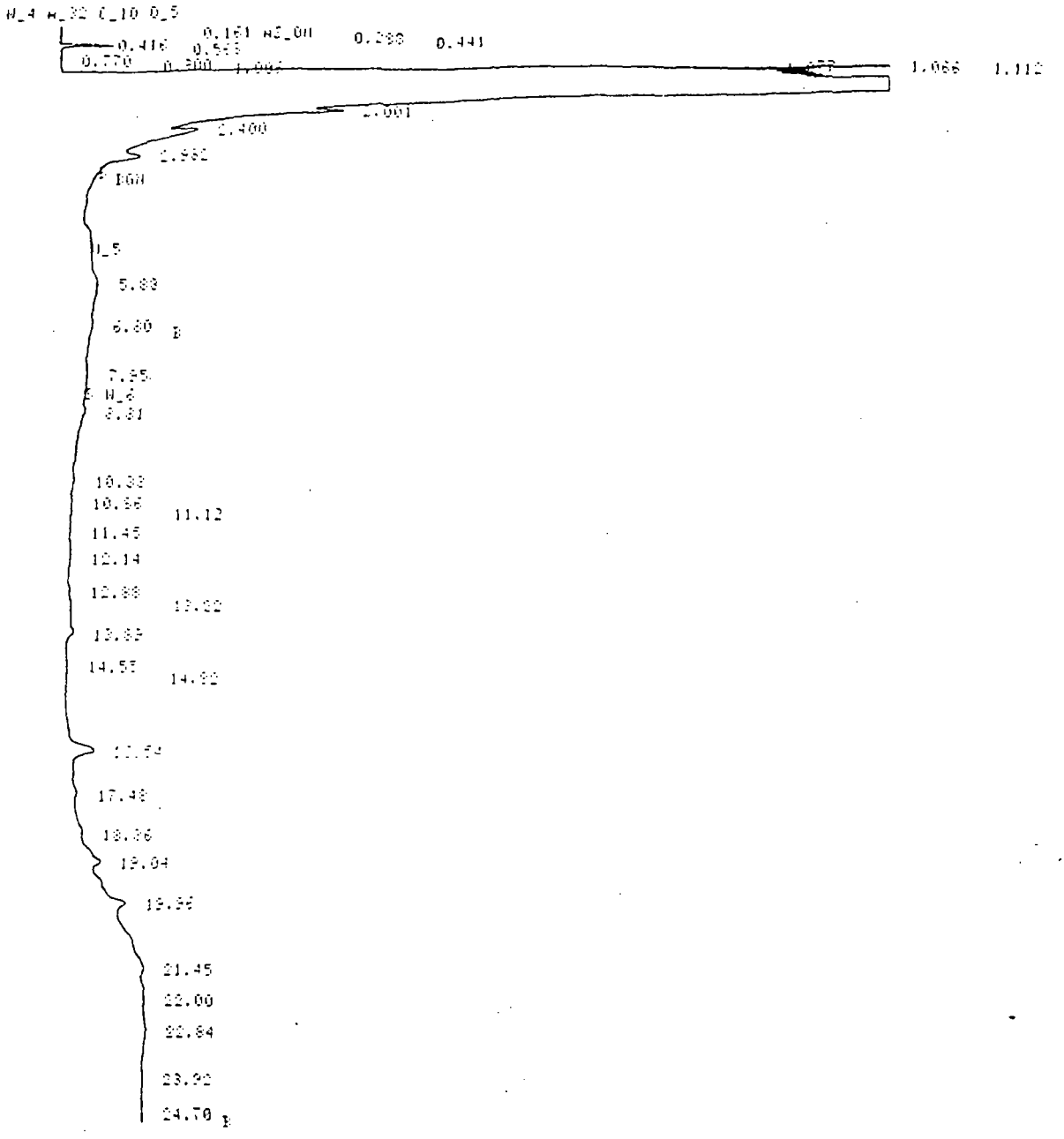


FILE 24 RUN 24 STARTED 01:58.1 80/01/02
METHOD 1 DIESEL51 LMST EDITED 00:05.0 80/01/01

RT	AREA	HEIGHT	RC	AREA PERCENT	HEIGHT PERCENT
6.01	12982	0.6681		1.9056	1.4860
8.86	7667	0.8403	V	1.1373	1.8689
9.18	21620	1.9422	V	3.2068	4.3195
9.50	3165	0.5201	V	0.4696	1.1567
9.74	33666	1.5186	V	4.9936	3.3775
10.41	21231	2.2454	V	3.1566	4.9940
10.61	9052	1.2801	V	1.3427	2.8471
10.88	18181	2.3020	V	2.6968	5.1200
11.14	34614	4.1725	V	5.1348	9.2808
11.39	1678	0.3231	V	0.2489	0.7187
11.56	5092	0.8991	V	0.7550	1.9996
11.72	5922	0.7365	V	0.8783	1.6381
12.15	34176	2.8010	V	5.0694	6.2298
12.56	6178	0.7804	V	0.9163	1.7358
12.91	21481	2.3447	V	3.1863	5.2150
13.15	7659	1.0134	V	1.1359	2.2540
13.47	14398	1.5085	V	2.1357	3.3551
13.89	33435	2.6603	V	4.9583	5.9166
14.35	6134	0.2366	V	0.9099	0.7530
15.66	2216	0.2312	V	0.1286	0.5142
16.62	85872	4.3064	V	12.7374	9.5730
17.69	12137	0.8063	V	1.8041	1.7932
19.09	18307	1.1361	V	2.7155	2.5269
19.99	64441	4.7348	V	9.5566	10.5309
21.46	126406	2.4077	V	18.7499	5.3549
22.38	28307	0.4053	V	4.1988	0.9014
22.81	17529	0.7983	V	2.6000	1.7754
23.76	9311	0.7076	V	1.4553	1.5739
24.18	9805	0.5326		1.4544	1.1846

FILE 25 RUN 25 STARTED 03:35.9 80/01/02
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

8052115 50: 2.4 3λ

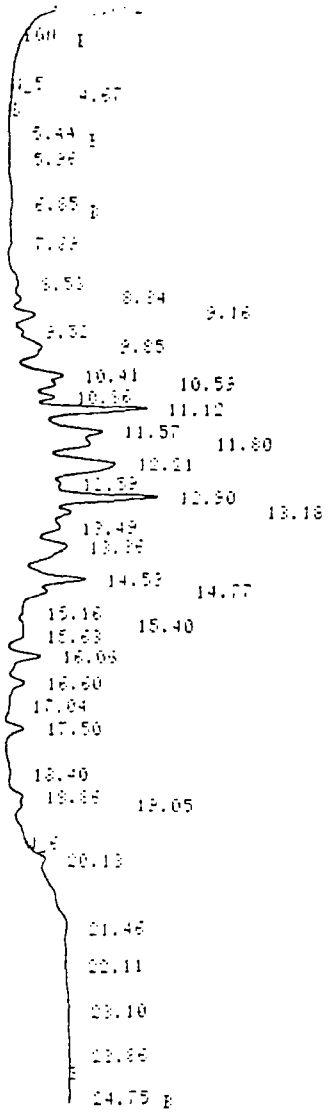


FILE 25 RUN 25 STARTED 03:35.9 80/01/02
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
5.88	80410	2.0376	V	13.3888	6.2071
6.80	5602	0.3606		0.9328	1.0986
7.95	12969	0.5517		2.1594	1.6807
8.81	19029	1.0934	V	3.1685	3.3308
10.33	14889	0.7173	V	2.4790	2.1851
10.86	2516	0.3484	V	0.4189	1.0614
11.12	3212	0.4030	V	0.5348	1.2277
11.45	3047	0.2237	V	0.5073	0.6814
12.14	11739	0.5882	V	1.9546	1.7917
12.88	3662	0.4229	V	0.6097	1.2883
13.22	3122	0.3642	V	0.5198	1.1093
13.89	33430	1.9540	V	5.5663	5.9524
14.55	1951	0.1599	V	0.3249	0.4872
14.82	1020	0.1281	V	0.1698	0.3903
16.54	89454	8.3121	V	14.8947	25.3208
17.48	9969	0.9699	V	1.6599	2.9545
18.36		0.6165	V		1.8731
19.04	52064	3.7071	V	8.6639	11.2927
19.96	80973	5.4758	V	13.4834	16.6807
21.45	105329	2.1073	V	17.6213	6.4193
22.00	12978	0.6472	V	2.1609	1.9715
22.84	38303	1.0256	V	6.3810	3.1243
23.92	1074	0.1067	V	0.1788	0.3250
24.70	13250	0.5057		2.2063	1.5404

23 PEAKS 6 AREA REJECT 600577 TOTAL AREA
24 PEAKS 4 HEIGHT REJECT 32.8270 TOTAL HEIGHT

805 2/16 5:2.4 3ul

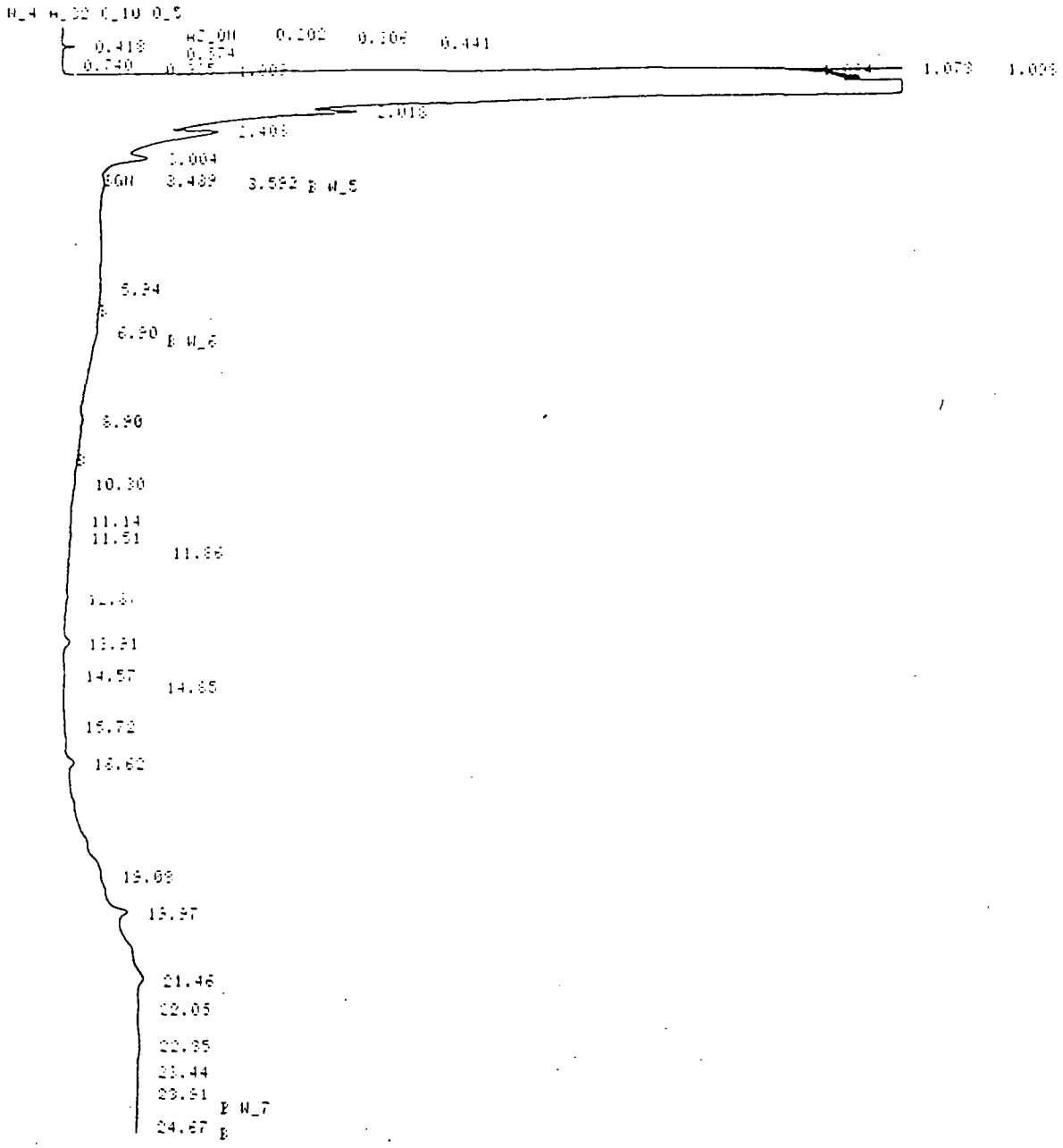


FILE 28 RUN 28 STARTED 07:02.3 80/01/02
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.67	2082	0.2311		0.0885	0.1068
5.44	1992	0.2201		0.0847	0.1017
5.96	528	0.1275	V	0.0224	0.0589
6.85	2471	0.2471		0.1050	0.1142
7.69	16868	0.9938	V	0.7170	0.4592
8.53	22125	1.5605	V	0.9405	0.7211
8.84	23119	2.4991	V	0.9827	1.1549
9.16	76722	7.0213	V	3.2613	3.2446
9.52	8820	1.3613	V	0.3749	0.6291
9.85	135139	7.0506	V	5.7444	3.2581
10.41	59872	7.0492	V	2.5450	3.2575
10.59	20071	3.0251	V	0.8531	1.3979
10.86	39008	5.4956	V	1.6581	2.5395
11.12	290498	34.5285	V	12.3484	15.9558
11.57	74218	9.9888	V	3.1548	4.6159
11.80	57498	5.8976	V	2.4441	2.7253
12.21	331212	20.5617	V	14.0790	9.5017
12.59	7630	1.3382	V	0.3243	0.6134
12.90	290014	32.8166	V	12.3278	15.1647
13.18	35453	5.0355	V	1.5070	2.3269
13.49	41506	4.1108	V	1.7643	1.8996
13.86	198880	10.4889	V	8.4539	4.8470
14.53	153602	16.0583	V	6.5293	7.4206
14.77	8727	3.5533	V	0.3710	1.6420
15.16	3973	0.7320	V	0.1689	0.3382
15.40	7739	0.9032	V	0.3290	0.4174
15.63	11536	1.3890	V	0.4904	0.6419
16.06	115093	10.3143	V	4.9263	4.7663
16.60	54574	4.9469	V	2.3198	2.2860
17.04	9053	0.5857	V	0.3848	0.2707
17.50	69529	6.1494	V	2.9555	2.8417
18.40	15231	0.9057	V	0.6474	0.4185
18.86	10484	2.0126	V	0.4457	0.9300
19.05	3562	1.2246	V	0.1640	0.5659
20.13	28392	2.8260	V	1.2069	1.3059
21.46	89061	1.8535	V	3.7858	0.8565
22.11	4864	0.2437	V	0.2342	0.1126
23.10	10535	0.4369	V	0.4478	0.2019
23.86	12762	0.4594		0.5425	0.2123
24.75	2333	0.1573		0.0994	0.0729

FILE 29 RUN 29 STARTED 07:37.8 80/01/02
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

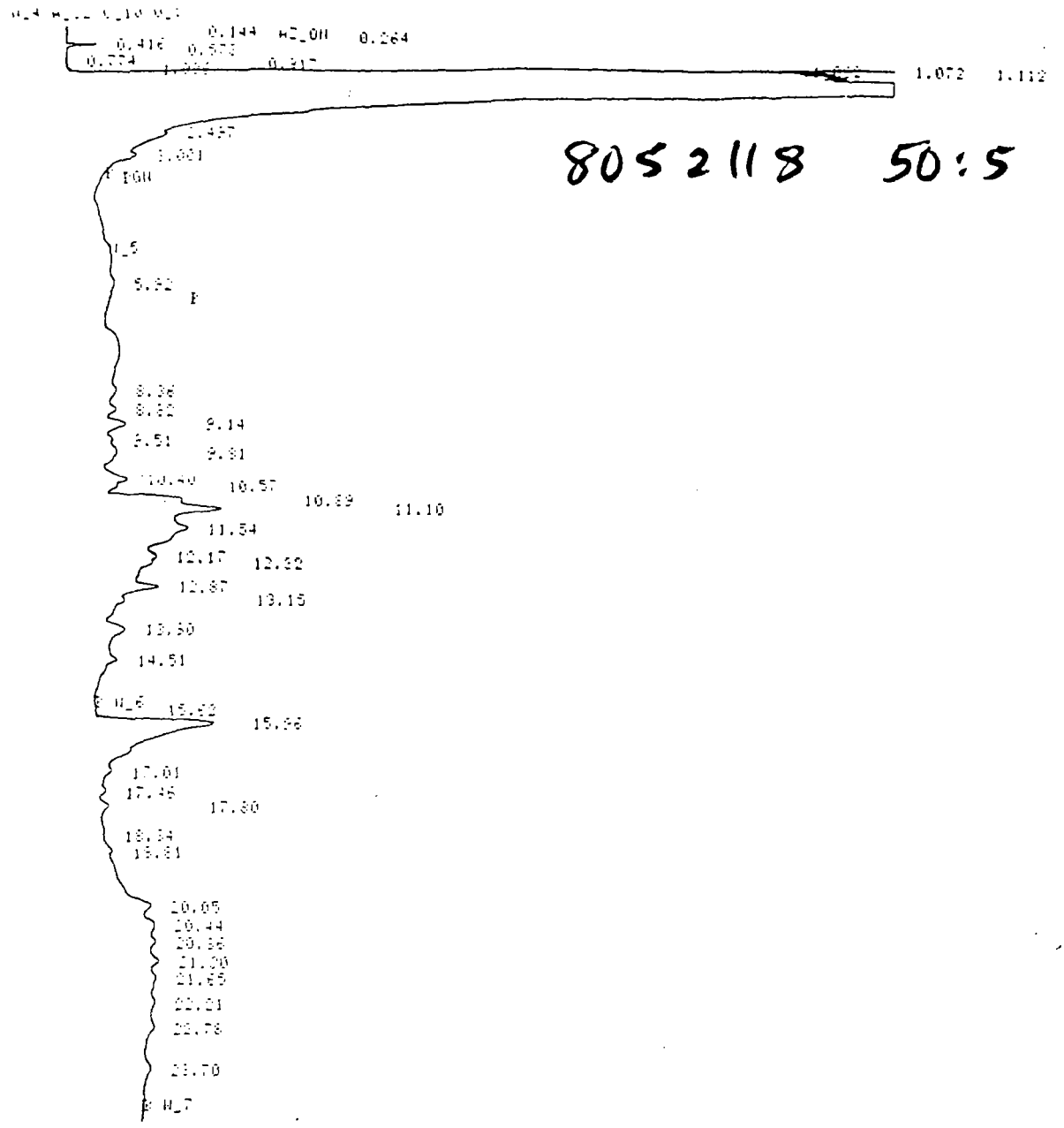
8052117 50:2.1 3λ



FILE 29 RUN 29 STARTED 07:37.8 80/01/02
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
3.592	1593	0.2599		0.4592	1.3323
5.94	13679	0.4864		3.9432	2.4934
6.90	7595	0.4829		2.1894	2.4755
8.90	34336	0.9697		9.8979	4.9711
10.30	1587	0.2204	V	0.4575	1.1298
11.14	2241	0.2694	V	0.6459	1.3809
11.51	4663	0.4504	V	1.3441	2.3091
11.86	5499	0.2503	V	1.5852	1.2855
12.87	5835	0.5185	V	1.6819	2.6579
13.91	26777	2.2109	V	7.7190	11.3339
14.57	2545	0.2497	V	0.7335	1.2799
14.85	1557	0.1345	V	0.4488	0.6896
15.72	[illegible]	0.1323	V	0.0055	0.7121
16.62	24066	2.4426	V	6.9375	12.5215
19.08		0.6285	V		3.2219
19.97	36909	4.3290	V	10.6398	24.7549
21.46	144209	3.3597	V	41.5712	17.2228
22.05	7991	0.3841	V	2.3036	1.9689
22.35	16415	0.6131	V	4.7318	3.1428
23.44	1116	0.1141	V	0.3216	0.5848
23.91	2845	0.1742		0.8201	0.8929
24.67	5423	0.3196		1.5639	1.6383

21 PEAKS . AREA REJECT 346897 TOTAL AREA
22 PEAKS . HEIGHT REJECT 19.5073 TOTAL HEIGHT



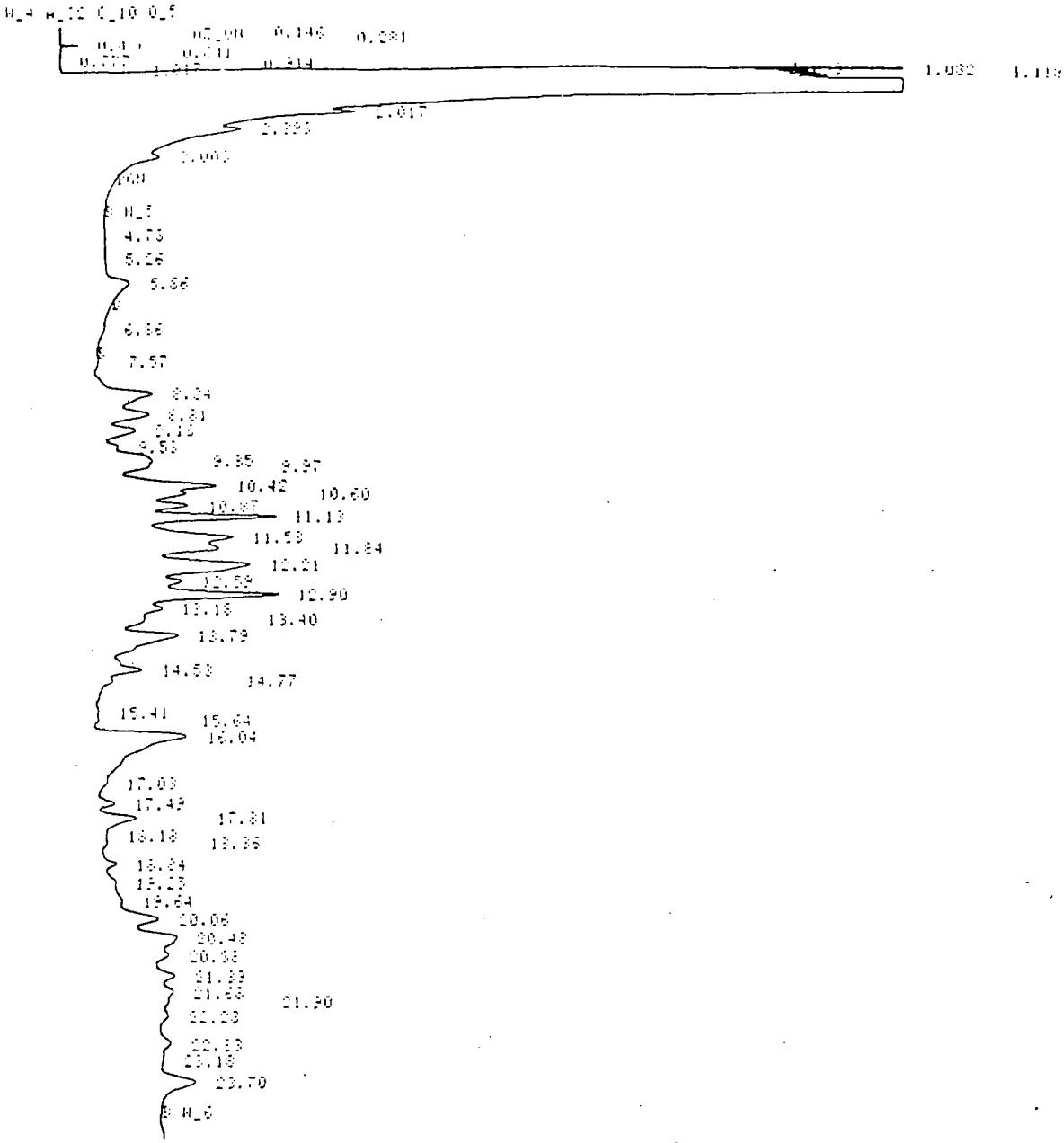
8052118 50:5 3ul

FILE 30 RUN 30 STARTED 08:19.6 80/01 02
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
5.82	36072	1.7797		1.4965	1.1471
8.36	27846	1.8435	U	1.1553	1.1889
8.82	29465	2.3675	U	1.2224	1.5138
9.14	78956	6.8744	U	3.2775	4.4333
9.51	8327	1.2466	U	0.3455	0.8039
9.81	59315	3.1796	U	2.4603	2.0505
10.40	50408	5.6823	U	2.0915	3.6461
10.57	6683	1.1386	U	0.2773	0.7343
10.89	97561	7.3038	U	4.0460	4.7231
11.10	136219	16.1883	U	5.6515	10.4393
11.54	160721	8.2192	U	6.6680	5.3005
12.17	23072	2.9589	U	0.9572	1.9437
12.32		0.7640	U		0.4927
12.87	91119	10.7707	U	3.7804	6.9450
13.15	19756	1.7449	U	0.8209	1.1253
13.60	101716	6.6129	U	4.2200	4.2646
14.51	52221	4.4902		2.1666	2.8957
15.32	1168	0.6050	U	0.0485	0.3902
15.96	1128677	42.5910	U	46.8267	27.4665
17.01	11135	1.6829	U	0.4622	1.0852
17.46	13651	1.7671	U	0.5661	1.1396
17.80	36340	3.1269	U	1.5077	2.0165
18.34	5033	0.4302	U	0.2192	0.2794
18.81	18313	1.7841	U	0.7596	1.1506
20.05	375	4.2289	U	0.0155	2.7317
20.44	37704	2.6683	U	1.5643	1.7208
20.86	19202	1.9673	U	0.7967	1.2697
21.20	33120	3.1137	U	1.3324	2.0113
21.65	21617	1.6601	U	0.8798	1.0706
22.21	18366	1.4475	U	0.7619	0.9335
22.78	24672	1.8110	U	1.0236	1.1686
23.70	[illegible]	[illegible]		[illegible]	[illegible]

FILE 33 RUN 33 STARTED 15:31.3 80/01/02
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

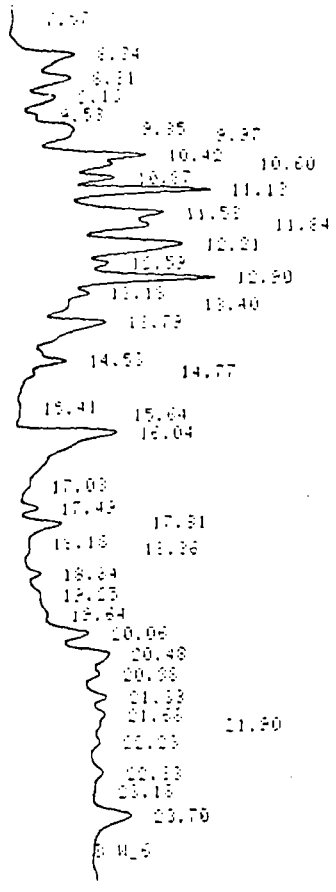
2.95 ml 805219 50:3



FILE 33 RUN 33 STARTED 15:31.3 80/01/02
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.73	2955	0.2995	V	0.0623	0.0762
5.26	1600	0.1257	V	0.0337	0.0320
5.86	141483	7.6888		2.9836	1.9561
6.86	703	0.4803		0.0150	0.1222
7.57	13441	0.8564	V	0.2834	0.2179
8.34	206808	15.2057	V	4.3612	3.8684
8.81	132776	11.7552	V	2.8000	2.9906
9.16	106714	9.5961	V	2.2504	2.4413
9.53	11874	1.9739	V	0.2504	0.5022
9.85	65916	4.2364	V	1.3900	1.0778
9.97	12576	2.0180	V	0.2652	0.5134
10.42	163193	19.3153	V	3.4414	4.9140
10.60	30821	5.0092	V	0.6500	1.2744
10.87	88981	12.1589	V	1.8764	3.0933
11.13	355363	44.5356	V	7.4939	11.3301
11.53	123396	15.3714	V	2.6022	3.9106
11.84	101488	11.6767	V	2.1402	2.9706
12.21	466640	31.5850	V	9.8405	8.0354
12.59	36435	5.6755	V	0.7683	1.4439
12.90	378675	42.8093	V	7.9855	10.8911
13.18	36543	5.2679	V	0.7706	1.3402
13.40	30309	2.0762	V	0.6455	0.5282
13.79	247847	20.8594	V	7.3354	5.3067
14.53	114633	11.2326	V	2.4186	2.8576
14.77	1756	1.7415	V	0.0370	0.4431
15.41	5430	0.5933	V	0.1145	0.1523
15.64	3739	0.5382	V	0.0788	0.1369
16.04	817999	33.5711	V	17.2500	8.2863

8052119 continued



FILE 33 RUN 33 STARTED 15:31.3 80/01/02
% METHOD 1 DIESELS1 LAST EDITED 00:05.0 80/01/01

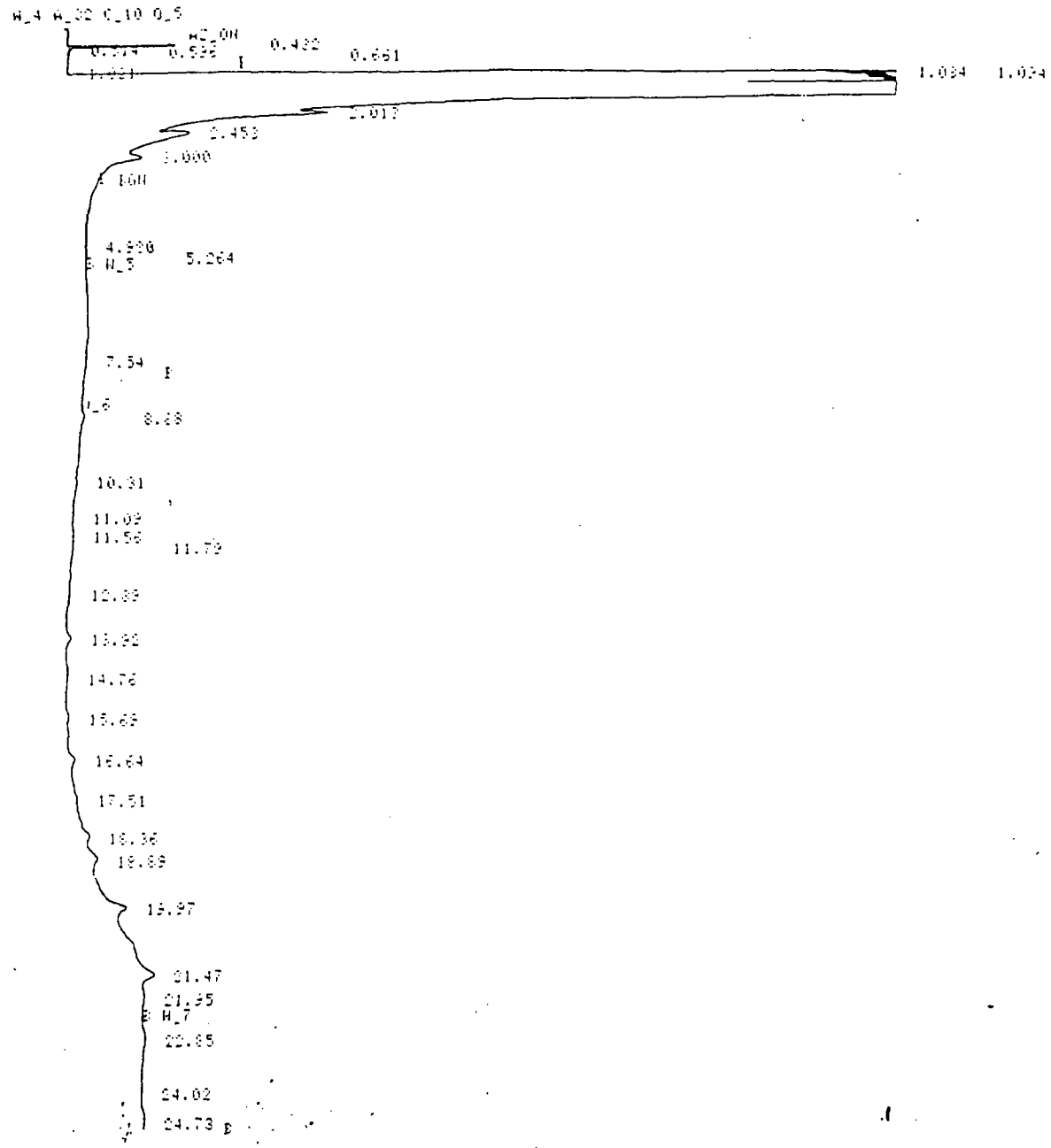
FT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.73	2955	0.2995	V	0.0623	0.0762
5.26	1600	0.1257	V	0.0337	0.0320
5.86	141483	7.6888		2.9836	1.9561
6.88	703	0.4803		0.0150	0.1222
7.57	13441	0.8564	V	0.2834	0.2179
8.34	206803	15.2057	V	4.3612	3.8684
8.81	132776	11.7552	V	2.8000	2.9906
9.16	106714	9.5961	V	2.2504	2.4413
9.53	11874	1.9739	V	0.2504	0.5022
9.85	65916	4.2364	V	1.3900	1.0778
9.97	12576	2.0180	V	0.2652	0.5134
10.42	163193	19.3158	V	3.4414	4.9140
10.60	30821	5.0092	V	0.6500	1.2744
10.87	88931	12.1589	V	1.8764	3.0933
11.13	355363	44.5356	V	7.4939	11.3301
11.58	123396	15.3714	V	2.6022	3.9106
11.84	101488	11.6767	V	2.1402	2.9706
12.21	466640	31.5850	V	9.8405	8.0354
12.59	36435	5.6755	V	0.7683	1.4439
12.90	378675	42.8098	V	7.9855	10.8911
13.18	36543	5.2679	V	0.7706	1.3402
13.40	30809	2.0762	V	0.6455	0.5282
13.79	347847	20.8594	V	7.3354	5.3067
14.53	114688	11.2326	V	2.4186	2.8576
14.77	1756	1.7415	V	0.0370	0.4431
15.41	5430	0.5988	V	0.1145	0.1523
15.64	3739	0.5382	V	0.0789	0.1369
16.04	817999	32.5711	V	17.2500	8.2863
17.03	6809	0.7876	V	0.1436	0.2004
17.49	48855	5.8371	V	1.0303	1.4850
17.81	149447	12.9694	V	3.1515	3.1468
18.18	502	0.1435	V	0.0106	0.0365
18.36	7332	0.9455	V	0.1546	0.2405
18.84	35635	4.2262	V	0.7515	1.0752
19.25	7943	0.9881	V	0.1675	0.2514
19.64	6731	0.8862	V	0.1419	0.2255
20.06	115737	9.9651	V	2.4407	2.5352
20.48	144883	10.0536	V	3.0553	2.5577
20.88	26115	3.0133	V	0.5507	0.7666
21.33	54939	5.3574	V	1.1586	1.3630
21.66	25827	2.7491	V	0.5446	0.6994
21.90	3081	0.5083	V	0.0650	0.1293
22.23	22100	2.0238	V	0.4660	0.5149
22.83	43897	3.2734	V	0.9257	0.8328
23.18	2364	0.2961	V	0.0499	0.0753
23.70	239317	12.3892		5.0467	3.1519

Dual

46 PEAKS : AREA REJECT 4742015 TOTAL AREA
46 PEAKS : HEIGHT REJECT 393.0726 TOTAL HEIGHT

3ml 8052120 50: 2.4

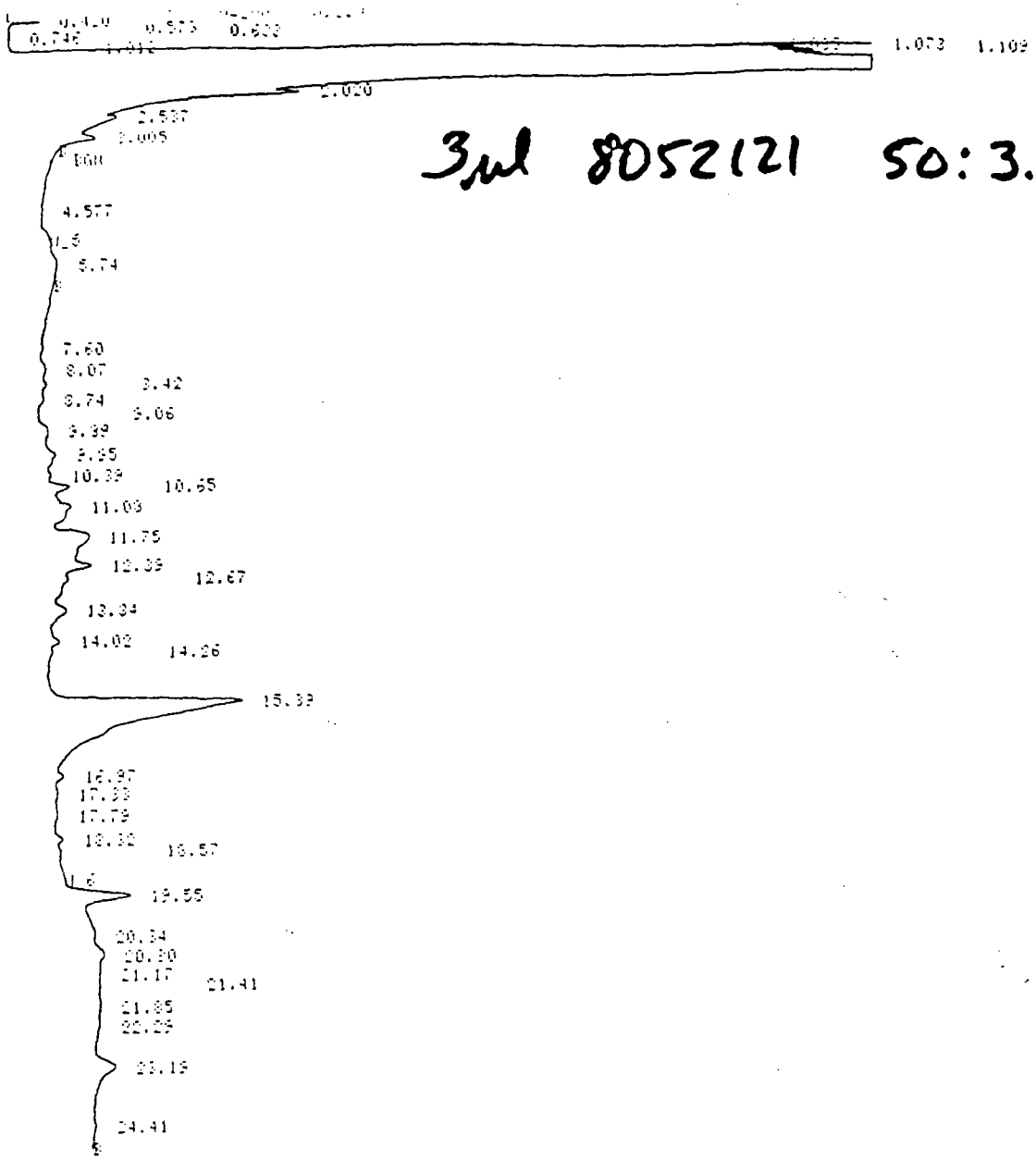
FILE 35 RUN 35 STARTED 16:33.5 80/01/02
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01



FILE 35 RUN 35 STARTED 16:33.5 80/01/02
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

PT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.980	530	0.0895	V	0.1031	0.3191
5.264	618	0.0617		0.1203	0.2198
7.54	5012	0.2873		0.9752	1.0237
8.28	47976	1.6847	V	9.3356	6.0037
10.31	9269	0.5160	V	1.8036	1.8460
11.09	2380	0.2384	V	0.4631	0.8496
11.56	2797	0.2695	V	0.5443	0.9605
11.79	5241	0.2903	V	1.0197	0.8206
12.89	10766	0.5431	V	2.0949	1.9355
13.92	20657	1.7771	V	4.0196	6.3329
14.76	12315	0.5752	V	2.4916	2.0496
15.69	6000	0.6240	V	1.1674	2.2235
16.64	17357	1.6454	V	3.3775	5.8634
17.51	6994	0.7555	V	1.3610	2.6923
18.36	15879	1.6276	V	3.0887	5.8466
18.89	40023	2.6012	V	7.7880	9.2695
19.97	54444	5.5991	V	10.5941	19.9494
21.47	187360	5.9358	V	36.4581	21.3415
21.95	11044	0.6073		2.1490	2.1641
22.85	39185	1.3030	V	7.6250	4.6433
24.02	2431	0.1442	V	0.4730	0.5133
24.73	15135	0.8217		2.9450	2.9281

22 PEAKS , AREA REJECT 514905 TOTAL AREA
22 PEAKS , HEIGHT REJECT 28.0617 TOTAL HEIGHT



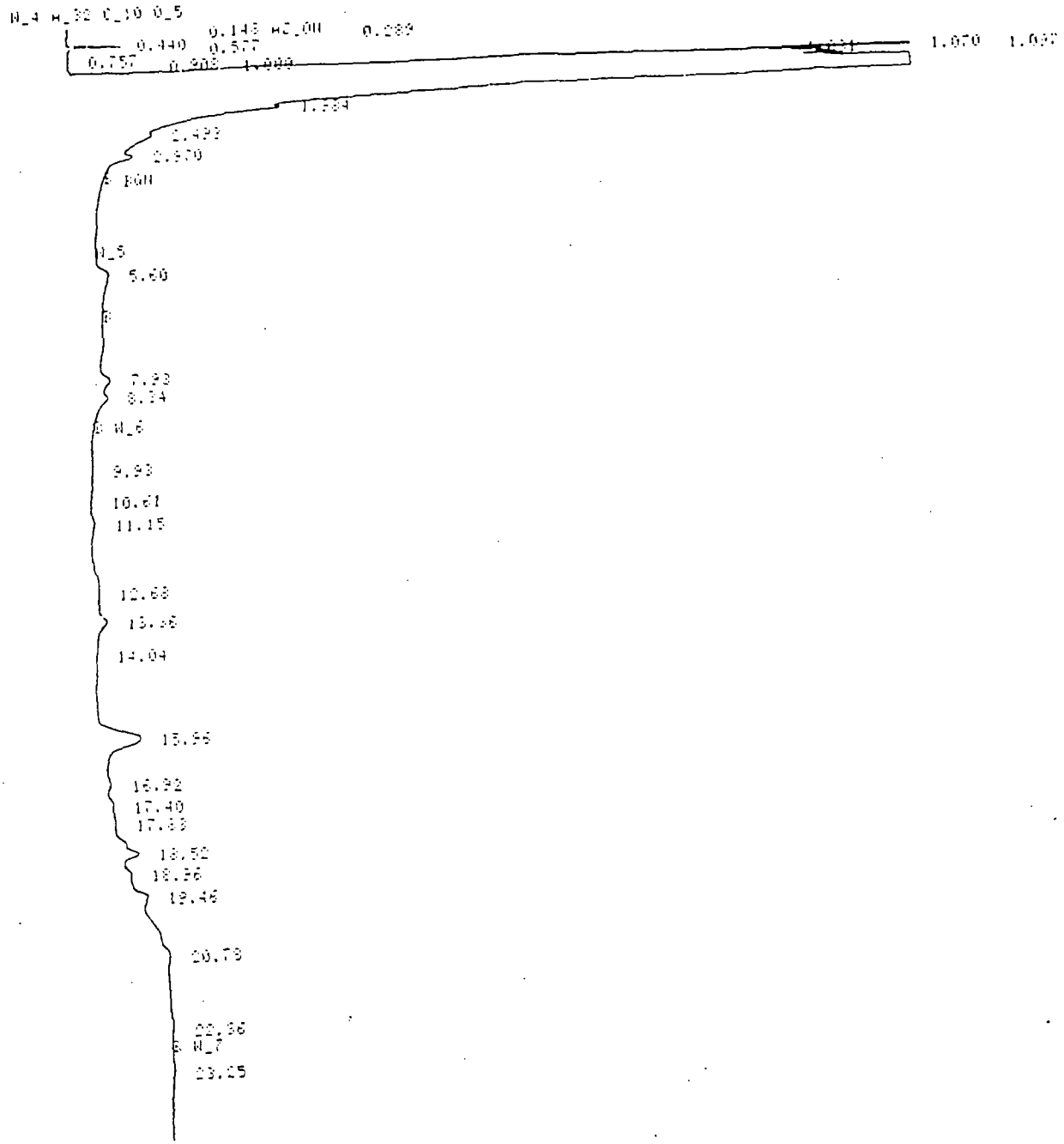
3ul 8052121 50:3.4

FILE 47 RUN 47 STARTED 00:27.1 80/01/03
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
4.577	608	0.0934	U	0.0171	0.0577
5.74	48373	1.8373		1.3622	1.1353
7.60	6840	0.7535	U	0.1926	0.4656
8.07	20503	1.3689	U	0.5774	0.8459
8.42	13254	1.3676	U	0.3732	0.8451
8.74	10881	1.0471	U	0.3064	0.6470
9.06	1166	0.2548	U	0.0328	0.1574
9.39	39835	2.4846	U	1.1218	1.5353
9.95	50504	3.5282	U	1.4223	2.1801
10.39	9213	1.2774	U	0.2594	0.7893
10.65	51469	6.2165	U	1.4500	3.8413
11.03	112320	5.5758	U	3.1631	3.4454
11.75	203775	9.7085	U	5.7385	5.9991
12.39	65214	7.6025	U	1.8365	4.6977
12.67	20294	1.2294	U	0.5715	0.7597
13.34	74262	4.7146	U	2.0913	2.9132
14.02	34537	3.3750	U	0.9740	2.0855
14.26	6985	0.8347	U	0.1967	0.5467
15.39	2211995	67.6648	U	62.2922	41.8116
[illegible]	[illegible]	[illegible]	U	[illegible]	[illegible]
17.33	10876	0.9524	U	0.3063	0.5885
17.79	11659	0.3069	U	0.3283	0.4936
18.32	14749	2.0798	U	0.4153	1.2851
18.57	5549	0.7142	U	0.1563	0.4413
19.55	222735	19.6052	U	6.2739	12.1145
20.34	23611	1.2502	U	0.6057	0.7725
20.80	40949	2.6992	U	1.1532	1.6617
21.17	1342	0.2437	U	0.0519	0.1507
21.41	2384	0.3398	U	0.0812	0.2100
21.85	12232	0.8260	U	0.3445	0.5104
22.29	12458	0.8078	U	0.3508	0.4992
23.19	170130	7.3106	U	4.7910	4.5174
24.41	10138	0.4898		0.2869	0.3027

8052122 50:3 3λ

FILE 49 RUN 49 STARTED 03:32.8 80/01/03
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

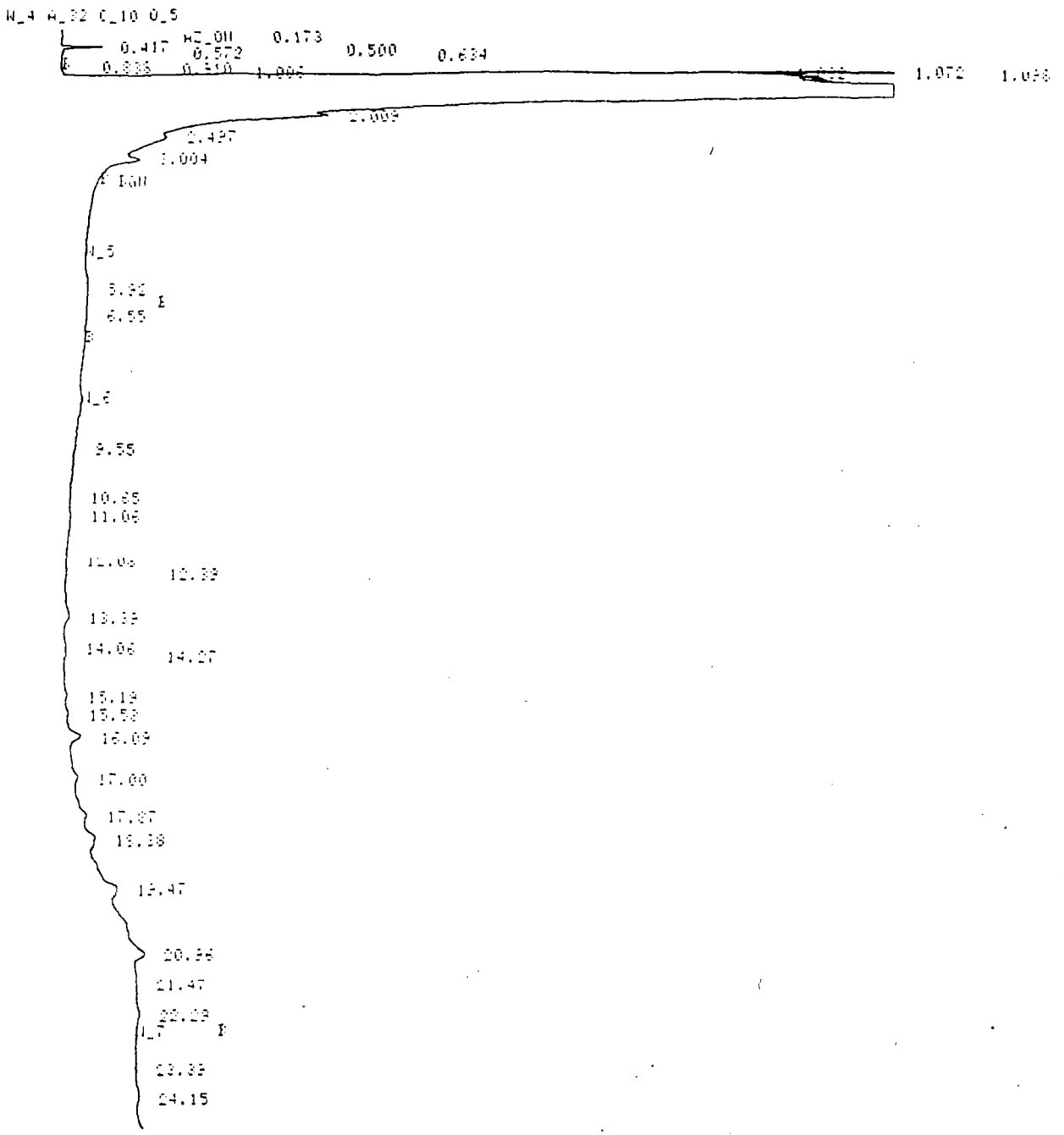


FILE 49 RUN 49 STARTED 03:32.8 80/01/03
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

PT.	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
5.60	114371	3.9742		11.7061	8.5353
7.93	42765	3.0601	V	4.3771	6.5721
8.34	21157	2.1443		2.1655	4.6053
9.93	8053	0.3457	V	0.8242	0.7425
10.61	1995	0.2504	V	0.2042	0.5379
11.15	28688	1.2540	V	2.9363	2.6933
12.68	24450	0.7538	V	2.5025	1.6190
13.36	57111	3.1618	V	5.8454	6.7905
14.04	5136	0.1515	V	0.5257	0.3253
15.96	311168	13.5817	V	31.8437	29.1690
16.92	19095	1.2733	V	1.9544	2.7346
17.40	12281	1.0423	V	1.2569	2.2386
17.83	3650	0.3798	V	0.3736	0.8157
18.52	103954	6.2910	V	[illegible]	[illegible]
18.96	8996	1.0926	V	0.9207	2.3465
19.46	45145	3.6193	V	4.6207	7.7731
20.78	115920	2.7806	V	11.8646	5.9718
22.36	24680	0.6169		2.5261	1.3250
23.25	28405	0.7887	V	2.9073	1.6938

19 PEAKS > AREA REJECT 977019 TOTAL AREA
-19 PEAKS > HEIGHT REJECT 46.5620 TOTAL HEIGHT

FILE 50 RUN 50 STARTED 04:29.5 80/01/03
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01 8052123 50:33

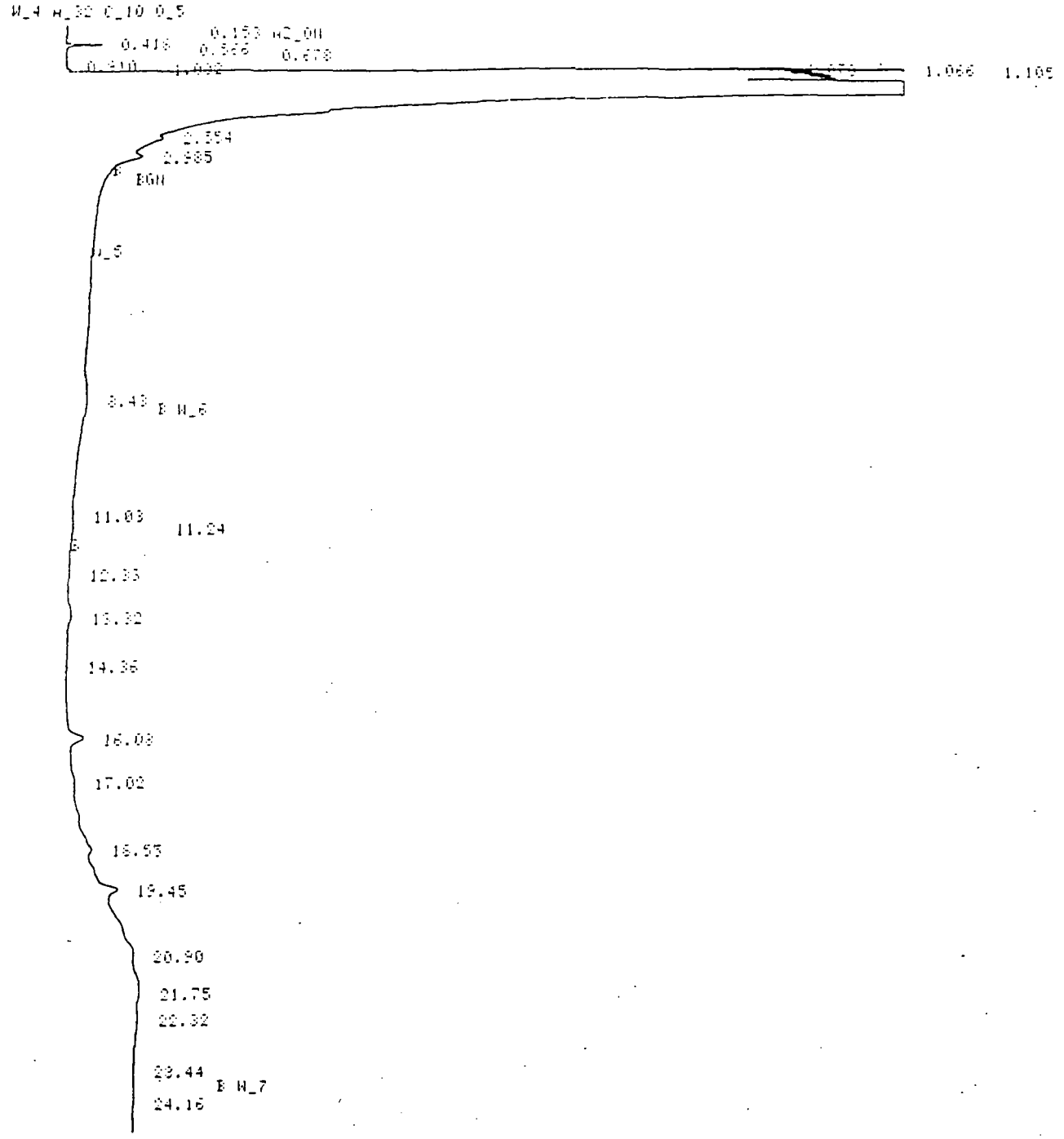


FILE 50 RUN 50 STARTED 04:29.5 80/01/03
% METHOD 1 DIESELS! LAST EDITED 00:05.0 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
5.92	9089	0.4112		1.9168	1.4231
6.55	4368	0.2380		0.9212	0.8237
5.55		0.2888	U		0.9992
10.65	1964	0.2138	U	0.4142	0.7745
11.06	16439	0.5148	U	3.4795	1.7814
12.09	1552	0.2063	U	0.3273	0.7140
12.39	5797	0.5129	U	1.2225	1.7747
13.39	29911	1.7586	U	6.3079	6.0859
14.06	1044	0.3447	U	0.2202	1.1927
14.27	540	0.2869	U	0.1139	0.9924
15.19	9481	0.9117	U	1.9991	3.1584
15.58	5654	0.7275	U	1.1924	2.5177
16.09	50795	4.3233	U	10.7122	14.9605
17.00	12624	1.3973	U	2.6623	4.8159
17.87	3664	1.4901	U	0.7729	5.1564
18.38	47043	2.8705	U	9.9209	9.9331
19.47	55129	3.9398	U	11.6262	13.6340
20.36	155624	5.3051	U	32.8196	18.3556
21.47	13729	0.5917	U	2.8941	2.0477
22.19	22985	1.1637		4.8473	4.0271
23.39	5004	0.2501	U	1.0553	0.8655
24.15	21670	1.1336	U	4.5700	3.9435

FILE 51 RUN 51 STARTED 05:34.2 80/01/03
% METHOD 1 DIESEL3! LAST EDITED 00:05.0 80/01/01

8052124 50:2.7 3λ



FILE 51 RUN 51 STARTED 05:34.2 80/01/03
% METHOD 1 DIESEL3! LAST EDITED 00:05.0 80/01/01

RT	AREA	HEIGHT	BC	AREA PERCENT	HEIGHT PERCENT
8.43	4911	0.3646		1.6599	1.8788
11.03	722	0.1024	V	0.2441	0.5276
11.24	6520	0.2393		2.2039	1.2331
12.33	1559	0.1556	V	0.5270	0.9567
13.32	34934	1.3741	V	11.8067	7.0817
14.36	3460	0.1395	V	1.1696	0.7189
16.08	43760	5.1006	V	14.7921	26.2870
17.02	2379	0.5101	V	0.8042	2.6289
18.55	1266	1.9462	V	0.4347	10.0301
19.45	44477	5.2221	V	15.0345	26.9131
20.90	81020	1.7875	V	27.3871	9.2123
21.75	51931	1.5207	V	17.5540	7.8372
22.32	12857	0.5414	V	4.3459	2.7901
23.44	2041	0.1282		0.6899	0.6605
24.16	3578	0.2414	V	1.3445	1.2439

15 PEAKS : AREA REJECT 295834 TOTAL AREA

APPENDIX E

Checked by Amy Chau

Serial Number 079
WA Project Number JC0104H
Page 1 of 2

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Date Sample Shipped 5-24-88
Name of Laboratory Sequoia Labs
Lab Project Manager Scott Cocanour
Turnaround Time 15 days
Report to Bob Breynaert

Collector Dan Birch
Affiliation Wahler Associates
Address 1023 Commercial Way PA
Phone (415) 968-6250

Sample Information

Your Sample I.D.	Date Collected	Matrix	Container	Analysis Requested
	See Page 2			

Comments Please Perform seven analyses on all samples
supply QC data with analysis results.
Results due by Tuesday June 14, 1988

Wahler Contact Person Bob Breynaert
Phone (415) 968-6250

Chain of Possession

	Relinquished by (Sign. & affiliation)	Date	Time	Received by (Sign. & affiliation)	Date	Time
1.	[signature]	5/24/88	1500	[signature]	5/24/88	4:50
		/ /			/ /	
2.		/ /			/ /	
		/ /			/ /	
3.		/ /			/ /	
		/ /			/ /	

Wahler Associates

Serial Number 079
WA Project Number JC070414
Page 2 of 2

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM (Cont'd)

Sample Information

Perform 7 analyses on all samples

Your Sample I.D.	Date Collected	Matrix	Container	Analysis Requested
SB-1	5-24-88	Soil	1 Liner	① EPA 8240 Screen
SB-5	5-24-88	Soil	1 Liner	② EPA 8040
SB-6	5-24-88	Soil	1 Liner	③ TPH as Lacquer Thinner
SB-8	5-24-88	Soil	1 Liner	④ TPH as Paint Thinner
SB-9	5-24-88	Soil	1 Liner	⑤ TPH as Kerosene
SB-10	5-24-88	Soil	1 Liner	⑥ TPH as Diesel
SB-11	5-24-88	Soil	1 Liner	⑦ Alcohols / Acetone
SB-12	5-24-88	Soil	1 Liner	
SB-13	5-24-88	Soil	1 Liner	
SB-14	5-24-88	Soil	1 Liner	
SB-15	5-24-88	Soil	1 Liner	

Comments See page 1

Wahler Contact Person Bob Breynaert Phone (415) 969-6250

Wahler Associates

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding-Lawson Associates
666 Howard St., 3rd Floor
San Francisco, CA 94105
Attn: Bob Breynaert

Date Sampled: 10/31/88
Date Received: 11/01/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001.04

Sample Number	Sample Description Soil	Methanol µg/kg	Ethanol µg/kg	Acetone µg/kg	Isopropanol µg/kg
8110010	I-16-25	880	N.D.	3,500	110
8110011	II-14-22	N.D.	N.D.	N.D.	N.D.
8110012	II-12-22	1,100	N.D.	1,600	N.D.
Detection Limit:		750	250	70	100

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Arthur G. Burton
Laboratory Director

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Attn: Bob Breynaert

Date Sampled: 11/01/88
Date Received: 11/02/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001.04

Sample Number	Sample Description Soil	Methanol µg/kg	Ethanol µg/kg	Acetone µg/kg	Isopropanol µg/kg
8110116	I-7-28	1,700	N.D.	2,400	N.D.
8110117	IV-1-22	N.D.	520	4,000	N.D.
8110118	II-23-22	N.D.	N.D.	N.D.	N.D.
Detection Limit:		750	250	70	100

Analytes reported as N.D. were not present above the stated limit of detection.

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Attn: Bob Breynaert

Date Sampled: 11/02/88
Date Received: 11/02/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001.04

Sample Number	Sample Description Soil	Methanol µg/kg	Ethanol µg/kg	Acetone µg/kg	Isopropanol µg/kg
8110154	IV-4-24	860	N.D.	250	N.D.
8110155	IV-7-24	1,400	N.D.	N.D.	N.D.
Detection Limit:		750	250	70	100

Analytes reported as N.D. were not present above the stated limit of detection.

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San Francisco, CA 94105
Attn: Bob Breynaert

Date Sampled: 10/27-28/88
Date Received: 10/28/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001.04

Sample Number	Sample Description Soil	Methanol µg/kg	Ethanol µg/kg	Acetone µg/kg	Isopropanol µg/kg
8102479	I-5-25.0	780	1,100	140	N.D.
8102480	II-3-23.0	N.D.	N.D.	N.D.	N.D.
8102481	II-18-22.0	N.D.	N.D.	680	N.D.
8102482	II-9-23.0	N.D.	330	4,900	160
8102483	I-11-25.0	1,100	N.D.	25,000	490
8102484	I-25-22.0	N.D.	N.D.	650	N.D.
8102485	I-3-25.0	N.D.	250	320	N.D.
8102486	II-28-22.0	1,100	N.D.	N.D.	N.D.
Detection Limit:		750	250	70	100

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/31/88
Date Received: 11/01/88
Date Analyzed: 11/13/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp., #18954, 001.04

High Boiling Point Hydrocarbons

Sample Number	Sample Description Soil	Lacquer Thinner mg/kg	Paint Thinner mg/kg	Kerosene mg/kg	Diesel mg/kg
8110010	I-16-25	N.D.	11	N.D.	N.D.
8110011	II-14-22	N.D.	N.D.	N.D.	N.D.
8110012	II-12-22	N.D.	N.D.	N.D.	N.D.
Detection Limit:		1.0	1.0	1.0	1.0

Method of Analysis: EPA 3810/8015 Modified

Analytes reported as N.D. were not present above the stated limit of detection.

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Attn: Bob Breynaert

Date Sampled: 11/01/88
Date Received: 11/02/88
Date Analyzed: 11/15/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp., #18954, 001.04

High Boiling Point Hydrocarbons

Sample Number	Sample Description Soil	Lacquer Thinner mg/kg	Paint Thinner mg/kg	Kerosene mg/kg	Diesel mg/kg
8110116	I-7-28	N.D.	N.D.	N.D.	N.D.
8110117	IV-1-22	N.D.	2.7	N.D.	N.D.
8110118	II-23-22	N.D.	N.D.	N.D.	N.D.
Detection Limit:		1.0	1.0	1.0	1.0

Method of Analysis: EPA 3810/8015 Modified

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 11/02/88
Date Received: 11/02/88
Date Analyzed: 11/16/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp., #18954, 001.04

High Boiling Point Hydrocarbons

Sample Number	Sample Description Soil	Lacquer Thinner mg/kg	Paint Thinner mg/kg	Kerosene mg/kg	Diesel mg/kg
8110154	IV-4-24	N.D.	2.8	N.D.	N.D.
8110155	IV-7-24	N.D.	N.D.	N.D.	N.D.
Detection Limit:		1.0	1.0	1.0	1.0

Method of Analysis: EPA 3810/8015 Modified

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/27-28/88
Date Received: 10/28/88
Date Analyzed: 11/10/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp., #18954, 001.04

High Boiling Point Hydrocarbons

Sample Number	Sample Description Soil	Lacquer Thinner mg/kg	Paint Thinner mg/kg	Kerosene mg/kg	Diesel mg/kg
8102479	I-5-25.0	N.D.	N.D.	N.D.	N.D.
8102480	II-3-23.0	N.D.	N.D.	N.D.	N.D.
8102481	II-18-22.0	N.D.	N.D.	N.D.	N.D.
8102482	II-9-23.0	N.D.	2.8	7.0	9.2
8102483	I-11-25.0	N.D.	N.D.	1.7	2.2
8102484	I-25-22.0	N.D.	N.D.	N.D.	N.D.
8102485	I-3-25.0	N.D.	1.4	3.5	4.6
8102486	II-28-22.0	N.D.	N.D.	N.D.	N.D.
Detection Limit:		1.0	1.0	1.0	1.0

Method of Analysis: EPA 3810/8015 Modified

Analytes reported as N.D. were not present above the stated limit of detection.

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San Francisco, CA 94105
Attn: Bob Breynaert

Date Sampled: 10/27-28/88
Date Received: 10/28/88
Date Analyzed: 10/31/88
Date Reported: 11/02/88

Project: #18954, 001.04,
Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8102485	Soil, I-3-25.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	10	N.D.
Carbon tetrachloride	10	N.D.
Chlorobenzene	10	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	10	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	10	N.D.
1,2-Dichlorobenzene	20	N.D.
1,3-Dichlorobenzene	20	N.D.
1,4-Dichlorobenzene	20	N.D.
1,1-Dichloroethane	10	99
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	10	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Methylene chloride	20	270
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	10	N.D.
1,1,1-Trichloroethane	10	14
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	10	N.D.
Vinyl chloride	20	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/28/88
Date Received: 10/28/88
Date Analyzed: 11/09/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp., #18954, 001-04

Sample Number: 8102485
Sample Description: Soil, I-3-25.0

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, ug/kg	Sample Results, ug/kg
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	800
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	4,000

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

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Attn: Bob Breynaert

Date Sampled: 10/28/88
Date Received: 10/28/88
Date Analyzed: 11/09/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp. #18954, 001-04

Sample Number	Sample Description
8102485	Soil, I-3-25.0

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 10/27-28/88
Date Received: 10/28/88
Date Extracted: 11/04/88
Date Analyzed: 11/08/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

PHENOLS

Sample Number	Sample Description
8102485	Soil, I-3-25.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

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Harding Lawson Associates
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San Francisco, CA 94105
Attn: Bob Breynaert

Date Sampled: 10/27-28/88
Date Received: 10/28/88
Date Analyzed: 10/31/88
Date Reported: 11/02/88

Project: #18954, C01.04,
Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8102479	Soil, I-5-25.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	39
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	110
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	62
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Attn: Bob Breynaert

Date Sampled: 10/28/88
Date Received: 10/28/88
Date Analyzed: 11/09/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp., #18954,001-04

Sample Number: 8102479
Sample Description: Soil, I-5-25.0

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, ug/kg	Sample Results, ug/kg
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	150
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	1,200

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/28/88
Date Received: 10/28/88
Date Analyzed: 11/09/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

Sample Number	Sample Description
8102479	Soil, I-5-25.0

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 ug/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 10/27-28/88
Date Received: 10/28/88
Date Extracted: 11/04/88
Date Analyzed: 11/08/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

PHENOLS

Sample Number	Sample Description
8102479	Soil, I-5-25.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 11/01/88
Date Received: 11/02/88
Date Analyzed: 11/02/88
Date Reported: 11/04/88

Project: #18954.001.04, Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8110116	Soil, I-7-28

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chloroethane	500	N.D.
2-Chloroethylvinyl ether	100	N.D.
Chloroform	100	N.D.
Chloromethane	100	N.D.
Dibromochloromethane	100	N.D.
1,2-Dichlorobenzene	200	N.D.
1,3-Dichlorobenzene	200	N.D.
1,4-Dichlorobenzene	200	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
trans-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Methylene chloride	200	3000
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
1,1,1-Trichloroethane	100	280
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl chloride	200	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 11/01/88
Date Received: 11/02/88
Date Analyzed: 11/13/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp., #16954, 001-04

Sample Number: 8110116
Sample Description: Soil, I-7-28

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg
Acetone	500	2,500
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	1,000
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	300
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	1,300

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 11/01/88
Date Received: 11/02/88
Date Analyzed: 11/13/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

Sample Number	Sample Description
8110116	Soil, I-7-28

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 11/01/88
Date Received: 11/02/88
Date Extracted: 11/11/88
Date Analyzed: 11/15/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

PHENOLS

Sample Number	Sample Description
8110116	Soil, I-7-28

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Analyzed: 10/31/88
Date Reported: 11/02/88

Project: #18954, 001.04,
Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8102483	Soil, I-11-25.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	500	N.D.
Bromoform	500	N.D.
Bromomethane	500	N.D.
Carbon tetrachloride	500	N.D.
Chlorobenzene	500	N.D.
Chloroethane	2500	N.D.
2-Chloroethylvinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	500	N.D.
Dibromochloromethane	500	N.D.
1,2-Dichlorobenzene	1000	N.D.
1,3-Dichlorobenzene	1000	N.D.
1,4-Dichlorobenzene	1000	N.D.
1,1-Dichloroethane	500	N.D.
1,2-Dichloroethane	500	N.D.
1,1-Dichloroethene	500	N.D.
trans-1,2-Dichloroethene	500	N.D.
1,2-Dichloropropane	500	N.D.
cis-1,3-Dichloropropene	500	N.D.
trans-1,3-Dichloropropene	500	N.D.
Methylene chloride	1000	21000
1,1,2,2-Tetrachloroethane	500	N.D.
Tetrachloroethene	500	N.D.
1,1,1-Trichloroethane	500	N.D.
1,1,2-Trichloroethane	500	N.D.
Trichloroethene	500	N.D.
Trichlorofluoromethane	500	N.D.
Vinyl chloride	1000	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Received: 10/28/88
Date Analyzed: 11/09/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp., #18954,001-04

Sample Number: 8102483
Sample Description: Soil, I-11-25.0

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg
Acetone	500	20,000
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	5,000
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	250
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	1,400

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/28/88
Date Received: 10/28/88
Date Analyzed: 11/09/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp. #18954, 001-04

Sample Number	Sample Description
8102483	Soil, I-11-25.0

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 10/27-28/88
Date Received: 10/28/88
Date Extracted: 11/04/88
Date Analyzed: 11/08/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

PHENOLS

Sample Number	Sample Description
8102483	Soil, I-11-25.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/31/88
Date Received: 11/01/88
Date Analyzed: 11/01/88
Date Reported: 11/04/88

Project: #18954.001.04, Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8110010	Soil, I-16-25.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	250	N.D.
Bromoform	250	N.D.
Bromomethane	250	N.D.
Carbon tetrachloride	250	N.D.
Chlorobenzene	250	N.D.
Chloroethane	1300	N.D.
2-Chloroethylvinyl ether	250	N.D.
Chloroform	250	N.D.
Chloromethane	250	N.D.
Dibromochloromethane	250	N.D.
1,2-Dichlorobenzene	500	N.D.
1,3-Dichlorobenzene	500	N.D.
1,4-Dichlorobenzene	500	N.D.
1,1-Dichloroethane	250	N.D.
1,2-Dichloroethane	250	N.D.
1,1-Dichloroethene	250	N.D.
trans-1,2-Dichloroethene	250	N.D.
1,2-Dichloropropane	250	N.D.
cis-1,3-Dichloropropene	250	N.D.
trans-1,3-Dichloropropene	250	N.D.
Methylene chloride	500	4800
1,1,2,2-Tetrachloroethane	250	N.D.
Tetrachloroethene	250	N.D.
1,1,1-Trichloroethane	250	790
1,1,2-Trichloroethane	250	N.D.
Trichloroethene	250	N.D.
Trichlorofluoromethane	250	N.D.
Vinyl chloride	500	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/31/88
Date Received: 11/01/88
Date Analyzed: 11/14/88
Date Reported: 11/28/88

Project: Jasco Chemical Corp., #18954, 001-04

Sample Number: 8110010

Sample Description: Soil, I-16-25

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg
Acetone	500	1,500
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	2,500
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	130
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	5,000

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/31/88
Date Received: 11/01/88
Date Analyzed: 11/14/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp. #18954, 001-04

Sample Number	Sample Description
8110010	Soil, I-16-25

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg
2,5,6-Trimethyldecane	3,500
2,6,7-Trimethyldecane	2,800
Decanol	3,400
2-Ethyl-1-Decanol	3,900
Decylhydroxylamine	2,000
2-Ethyl-1-Decanol	1,100

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Extracted: 11/11/88
Date Analyzed: 11/13/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

PHENOLS

Sample Number	Sample Description
8110010	Soil, I-16-25

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL LABORATORY

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Laboratory Director

SEQUOIA ANALYTICAL
680 Chesapeake Drive · Redwood City, CA 94063
(415) 364-9222 · FAX (415) 364-9233

Harding Lawson Associates
666 Howard St., 3rd Floor
San Francisco, CA 94105
Attn: Bob Breynaert

Date Sampled: 10/27-28/88
Date Received: 10/28/88
Date Analyzed: 10/31/88
Date Reported: 11/02/88

Project: #18954, 001.04,
Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8102484	Soil, I-25-22.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	9.5
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	28
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/27/88
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Date Analyzed: 11/09/88
Date Reported: 11/28/88

Project: Jasco Chemical Corp., #18954,001-04

Sample Number: 8102484

Sample Description: Soil, I-25-22.0

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D.

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Received: 10/28/88
Date Analyzed: 11/09/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp. #18954, 001-04

Sample Number	Sample Description
8102484	Soil, I-25-22.0

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 10/27-28/88
Date Received: 10/28/88
Date Extracted: 11/04/88
Date Analyzed: 11/08/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

PHENOLS

Sample Number	Sample Description
8102484	Soil, I-25-22.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Analyzed: 10/31/88
Date Reported: 11/02/88

Project: #18954, 001.04,
Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8102480	Soil, II-3-23.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	7.4
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	32
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/27/88
Date Received: 10/28/88
Date Analyzed: 11/09/88
Date Reported: 11/28/88

Project: Jasco Chemical Corp., #18954,001-04

Sample Number: 8102480

Sample Description: Soil, II-3-23.0

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, ug/kg	Sample Results, ug/kg
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	500

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Analyzed: 11/09/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp. #18954, 001-04

Sample Number	Sample Description
8102480	Soil, II-3-23.0

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Extracted: 11/04/88
Date Analyzed: 11/08/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

PHENOLS

Sample Number	Sample Description
8102480	Soil, II-3-23.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Analyzed: 10/31/88
Date Reported: 11/02/88

Project: #18954, 001.04,
Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8102482	Soil, II-9-23.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	10	N.D.
Carbon tetrachloride	10	N.D.
Chlorobenzene	10	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	10	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	10	N.D.
1,2-Dichlorobenzene	20	N.D.
1,3-Dichlorobenzene	20	N.D.
1,4-Dichlorobenzene	20	N.D.
1,1-Dichloroethane	10	140
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	10	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Methylene chloride	20	340
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	10	N.D.
1,1,1-Trichloroethane	10	35
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	10	N.D.
Vinyl chloride	20	N.D.

Method of Analysis: EPA 5030/8010
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Date Received: 10/28/88
Date Analyzed: 11/09/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp., #18954,001-04

Sample Number: 8102482
Sample Description: Soil, II-9-23.0

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, ug/kg	Sample Results, ug/kg
Acetone	500	30,000
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	300
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	400

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/28/88
Date Received: 10/28/88
Date Analyzed: 11/09/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

Sample Number	Sample Description
8102482	Soil, II-9-23.0

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Extracted: 11/04/88
Date Analyzed: 11/08/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

PHENOLS

Sample Number	Sample Description
8102482	Soil, II-9-23.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/31/88
Date Received: 11/01/88
Date Analyzed: 11/01/88
Date Reported: 11/04/88

Project: #18954.001.04, Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8110012	Soil, II-12-22'

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Attn: Bob Breynaert

Date Sampled: 10/31/88
Date Received: 11/01/88
Date Analyzed: 11/14/88
Date Reported: 11/28/88

Project: Jasco Chemical Corp., #18954, 001-04

Sample Number: 8110012

Sample Description: Soil, II-12-22

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg
Acetone	500	2,000
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D.

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Attn: Bob Breynaert

Date Sampled: 10/31/88
Date Received: 11/01/88
Date Analyzed: 11/14/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp. #18954, 001-04

Sample Number	Sample Description
8110012	Soil, II-12-22

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 10/31/88
Date Received: 11/01/88
Date Extracted: 11/11/88
Date Analyzed: 11/13/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

PHENOLS

Sample Number	Sample Description
8110012	Soil, II-12-22

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/31/88
Date Received: 11/01/88
Date Analyzed: 11/01/88
Date Reported: 11/04/88

Project: #18954.001.04, Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8110011	Soil, II-14-22'

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	10	N.D.
Carbon tetrachloride	10	N.D.
Chlorobenzene	10	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	10	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	10	N.D.
1,2-Dichlorobenzene	20	N.D.
1,3-Dichlorobenzene	20	N.D.
1,4-Dichlorobenzene	20	N.D.
1,1-Dichloroethane	10	48
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	10	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Methylene chloride	20	69
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	10	N.D.
1,1,1-Trichloroethane	10	10
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	10	N.D.
Vinyl chloride	20	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/31/88
Date Received: 11/01/88
Date Analyzed: 11/14/88
Date Reported: 11/28/88

Project: Jasco Chemical Corp., #18954, 001-04

Sample Number: 8110011

Sample Description: Soil, II-14-22

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D.

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/31/88
Date Received: 11/01/88
Date Analyzed: 11/14/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp. #18954, 001-04

Sample Number	Sample Description
8110011	Soil, II-14-22

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg
Decahydronaphthalene	400

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 10/31/88
Date Received: 11/01/88
Date Extracted: 11/11/88
Date Analyzed: 11/13/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

PHENOLS

Sample Number	Sample Description
8110011	Soil, II-14-22

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Received: 10/28/88
Date Analyzed: 10/31/88
Date Reported: 11/02/88

Project: #18954, 001.04,
Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8102481	Soil, II-18-22.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	34
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	87
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	13
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/27/88
Date Received: 10/28/88
Date Analyzed: 11/09/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp., #18954, 001-04

Sample Number: 8102481
Sample Description: Soil, II-18-22.0

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, ug/kg	Sample Results, ug/kg
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	250

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/27/88
Date Received: 10/28/88
Date Analyzed: 11/09/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp. #18954, 001-04

Sample Number	Sample Description
8102481	Soil, II-18-22.0

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 10/27-28/88
Date Received: 10/28/88
Date Extracted: 11/04/88
Date Analyzed: 11/08/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp. #18954, 001-04

PHENOLS

Sample Number	Sample Description
8102481	Soil, II-18-22.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/31/88
Date Received: 11/01/88
Date Analyzed: 11/01/88
Date Reported: 11/04/88

Project: #18954.001.04, Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8110012	Soil, II-23-22

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	10	N.D.
Carbon tetrachloride	10	N.D.
Chlorobenzene	10	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	10	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	10	N.D.
1,2-Dichlorobenzene	20	N.D.
1,3-Dichlorobenzene	20	N.D.
1,4-Dichlorobenzene	20	N.D.
1,1-Dichloroethane	10	10
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	10	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Methylene chloride	20	150
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	10	N.D.
1,1,1-Trichloroethane	10	19
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	10	N.D.
Vinyl chloride	20	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 11/01/88
Date Received: 11/02/88
Date Analyzed: 11/13/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp., #18954, 001-04

Sample Number: 8110118
Sample Description: Soil, II-23-22

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D.

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 11/01/88
Date Received: 11/02/88
Date Analyzed: 11/13/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp. #18954, 001-04

Sample Number	Sample Description
8110118	Soil, II-23-22

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 11/01/88
Date Received: 11/02/88
Date Extracted: 11/11/88
Date Analyzed: 11/15/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

PHENOLS

Sample Number	Sample Description
8110118	Soil, II-23-22

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/27-28/88
Date Received: 10/28/88
Date Analyzed: 10/31/88
Date Reported: 11/02/88

Project: #18954, 001.04,
Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8102486	Soil, II-28-22.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	21
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	48
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/28/88
Date Received: 10/28/88
Date Analyzed: 11/09/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp., #18954, 001-04
Sample Description: Soil, II-28-22.0

Sample Number: 8102486

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D.

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 10/28/88
Date Received: 10/28/88
Date Analyzed: 11/09/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp. #18954, 001-04

Sample Number	Sample Description
8102486	Soil, II-28-22.0

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 10/27-28/88
Date Received: 10/28/88
Date Extracted: 11/04/88
Date Analyzed: 11/08/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

PHENOLS

Sample Number	Sample Description
8102486	Soil, II-28-22.0

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 11/01/88
Date Received: 11/02/88
Date Analyzed: 11/02/88
Date Reported: 11/04/88

Project: #18954.001.04, Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8110117	Soil, IV-1-22

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	27
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	2600
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	220
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 11/01/88
Date Received: 11/02/88
Date Analyzed: 11/13/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp., #18954, 001-04

Sample Number: 8110117
Sample Description: Soil, IV-1-22

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg
Acetone	500	2,000
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	N.D.
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	1,500
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	200
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	250

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 11/01/88
Date Received: 11/02/88
Date Analyzed: 11/13/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp. #18954, 001-04

Sample Number	Sample Description
8110117	Soil, IV-1-22

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 11/01/88
Date Received: 11/02/88
Date Extracted: 11/11/88
Date Analyzed: 11/15/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

PHENOLS

Sample Number	Sample Description
8110117	Soil, IV-1-22

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 11/02/88
Date Received: 11/02/88
Date Analyzed: 11/02/88
Date Reported: 11/04/88

Project: #18954.001.04, Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8110154	Soil, IV-4-24

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	200	N.D.
Bromoform	200	N.D.
Bromomethane	200	N.D.
Carbon tetrachloride	200	N.D.
Chlorobenzene	200	N.D.
Chloroethane	1000	N.D.
2-Chloroethylvinyl ether	200	N.D.
Chloroform	200	N.D.
Chloromethane	200	N.D.
Dibromochloromethane	200	N.D.
1,2-Dichlorobenzene	400	N.D.
1,3-Dichlorobenzene	400	N.D.
1,4-Dichlorobenzene	400	N.D.
1,1-Dichloroethane	200	210
1,2-Dichloroethane	200	N.D.
1,1-Dichloroethene	200	N.D.
trans-1,2-Dichloroethene	200	N.D.
1,2-Dichloropropane	200	N.D.
cis-1,3-Dichloropropene	200	N.D.
trans-1,3-Dichloropropene	200	N.D.
Methylene chloride	400	2200
1,1,2,2-Tetrachloroethane	200	N.D.
Tetrachloroethene	200	N.D.
1,1,1-Trichloroethane	200	N.D.
1,1,2-Trichloroethane	200	N.D.
Trichloroethene	200	N.D.
Trichlorofluoromethane	200	N.D.
Vinyl chloride	400	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 11/02/88
Date Received: 11/02/88
Date Analyzed: 11/15/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp., #18954, 001-04

Sample Number: 8110154
Sample Description: Soil, IV-4-24

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg
Acetone	500	900
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	200
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	200

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 11/02/88
Date Received: 11/02/88
Date Analyzed: 11/15/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp. #18954, 001-04

Sample Number	Sample Description
8110154	Soil, IV-4-24

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Date Sampled: 11/02/88
Date Received: 11/02/88
Date Extracted: 11/11/88
Date Analyzed: 11/16/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

PHENOLS

Sample Number	Sample Description
8110154	Soil, IV-4-24

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 11/02/88
Date Received: 11/02/88
Date Analyzed: 11/03/88
Date Reported: 11/04/88

Project: #18954.001.04, Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8110155	Soil, IV-7-24

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	15	N.D.
Bromoform	15	N.D.
Bromomethane	15	N.D.
Carbon tetrachloride	15	N.D.
Chlorobenzene	15	N.D.
Chloroethane	75	N.D.
2-Chloroethylvinyl ether	15	N.D.
Chloroform	15	N.D.
Chloromethane	15	N.D.
Dibromochloromethane	15	N.D.
1,2-Dichlorobenzene	30	N.D.
1,3-Dichlorobenzene	30	N.D.
1,4-Dichlorobenzene	30	N.D.
1,1-Dichloroethane	15	300
1,2-Dichloroethane	15	N.D.
1,1-Dichloroethene	15	N.D.
trans-1,2-Dichloroethene	15	N.D.
1,2-Dichloropropane	15	N.D.
cis-1,3-Dichloropropene	15	N.D.
trans-1,3-Dichloropropene	15	N.D.
Methylene chloride	30	370
1,1,2,2-Tetrachloroethane	15	N.D.
Tetrachloroethene	15	N.D.
1,1,1-Trichloroethane	15	N.D.
1,1,2-Trichloroethane	15	N.D.
Trichloroethene	15	N.D.
Trichlorofluoromethane	15	N.D.
Vinyl chloride	30	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Date Sampled: 11/02/88
Date Received: 11/02/88
Date Analyzed: 11/15/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp., #18954, 001-04

Sample Number: 8110155
Sample Description: Soil, IV-7-24

VOLATILE ORGANICS by MASS SPECTROMETRY

Analyte	Detection Limit, µg/kg	Sample Results, µg/kg
Acetone	500	N.D.
Benzene	100	N.D.
Bromodichloromethane	100	N.D.
Bromoform	100	N.D.
Bromomethane	100	N.D.
2-Butanone	500	N.D.
Carbon disulfide	100	N.D.
Carbon tetrachloride	100	N.D.
Chlorobenzene	100	N.D.
Chlorodibromomethane	100	N.D.
Chloroethane	100	N.D.
2-Chloroethyl vinyl ether	500	N.D.
Chloroform	500	N.D.
Chloromethane	100	N.D.
1,1-Dichloroethane	100	300
1,2-Dichloroethane	100	N.D.
1,1-Dichloroethene	100	N.D.
Total-1,2-Dichloroethene	100	N.D.
1,2-Dichloropropane	100	N.D.
cis-1,3-Dichloropropene	100	N.D.
trans-1,3-Dichloropropene	100	N.D.
Ethylbenzene	100	N.D.
2-Hexanone	500	N.D.
Methylene chloride	500	N.D.
4-Methyl-2-pentanone	500	N.D.
Styrene	100	N.D.
1,1,2,2-Tetrachloroethane	100	N.D.
Tetrachloroethene	100	N.D.
Toluene	100	N.D.
1,1,1-Trichloroethane	100	N.D.
1,1,2-Trichloroethane	100	N.D.
Trichloroethene	100	N.D.
Trichlorofluoromethane	100	N.D.
Vinyl acetate	100	N.D.
Vinyl chloride	100	N.D.
Total Xylenes	100	N.D.

Method of Analysis: EPA 5030/8240
Analytes reported as N.D. were not present above the stated limit of detection.

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Attn: Bob Breynaert

Date Sampled: 11/02/88
Date Received: 11/02/88
Date Analyzed: 11/15/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp. #18954, 001-04

Sample Number	Sample Description
8110155	Soil, IV-7-24

VOLATILE ORGANICS by MASS SPECTROMETRY
Non-Calibrated Compounds

Analyte	Concentration µg/kg

No additional peaks > 200 µg/kg were identified by the Mass Spectral library.

Method of Analysis: EPA 8240 & "Open Scan"

NOTE: All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library. Positive identification or specification between isomers cannot be made without retention time standards.

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Laboratory Director

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680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding-Lawson Associates
666 Howard St., 3rd Floor
San Francisco, CA 94105
Attn: Bob Breynaert

Date Sampled: 11/02/88
Date Received: 11/02/88
Date Extracted: 11/11/88
Date Analyzed: 11/16/88
Date Reported: 11/28/88
Project: Jasco Chemical Corp.
#18954, 001-04

PHENOLS

Sample Number	Sample Description
8110155	Soil, IV-7-24'

Analyte	Detection Limit µg/kg	Sample Results µg/kg
4-Chloro-3-methylphenol	250	N.D.
2-Chlorophenol	250	N.D.
2,4-Dichlorophenol	250	N.D.
2,4-Dimethylphenol	250	N.D.
2,4-Dinitrophenol	8,700	N.D.
2-Methyl-4,6-dinitrophenol	11,000	N.D.
2-Nitrophenol	250	N.D.
4-Nitrophenol	2,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenol	100	N.D.
2,4,6-Trichlorophenol	500	N.D.

Method of Analysis: EPA 8040

Analytes reported as N.D. were not present above the stated limit of detection.

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666 Howard St., 3rd floor
San Francisco, CA 94105
Attn: Bob Breynaert

Date Sampled: 10/31/88
Date Received: 11/01/88
Date Analyzed: 11/01/88
Date Reported: 11/04/88

Project: #18954.001.04, Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8110153	Soil, fill-1

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	10	N.D.
Carbon tetrachloride	10	N.D.
Chlorobenzene	10	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	10	N.D.
Chloroform	10	N.D.
Chloromethane	10	N.D.
Dibromochloromethane	10	N.D.
1,2-Dichlorobenzene	20	N.D.
1,3-Dichlorobenzene	20	N.D.
1,4-Dichlorobenzene	20	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	10	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Methylene chloride	20	33
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	10	N.D.
Vinyl chloride	20	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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Attn: Bob Breynaert

Date Sampled: 11/03/88
Date Received: 11/03/88
Date Analyzed: 11/03/88
Date Reported: 11/04/88

Project: #18954.001.04, Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8110438	Soil, fill #2

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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666 Howard St., 3rd floor
San Francisco, CA 94105
Attn: Bob Breynaert

Date Sampled: 11/03/88
Date Received: 11/03/88
Date Analyzed: 11/03/88
Date Reported: 11/04/88

Project: #18954.001.04, Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8110439	Soil, fill #3

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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San Francisco, CA 94105
Attn: Bob Breynaert

Date Sampled: 11/03/88
Date Received: 11/03/88
Date Analyzed: 11/03/88
Date Reported: 11/04/88

Project: #18954.001.04, Jasco Chemical Corp.

HALOGENATED VOLATILE ORGANICS

Sample Number	Sample Description
8110440	Soil, fill #4

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
trans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Method of Analysis: EPA 5030/8010
Analytes reported as N.D. were not present above the stated limit of detection.

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San Francisco, CA 94105
Attn: Bob Breynaert

Q.C. Sample Dates
Date Extracted: 11/01/88
Date Analyzed: 11/01/88
Date Reported: 11/04/88

Quality Control Data Report

Method of Analysis: EPA 8010
Reporting Units: µg/L
Analyst: M. Giles

Sample No. 8110012
Project: #18954, 001.04, Jasco Chemical Corp.

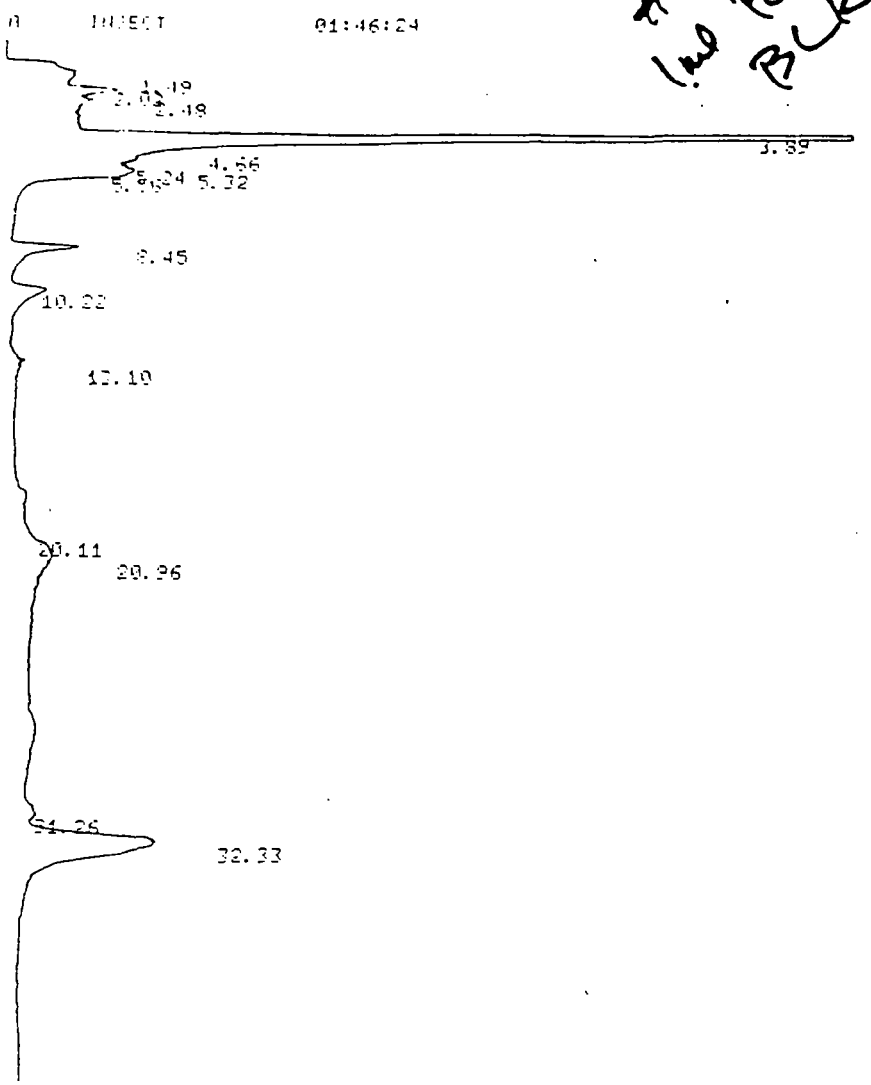
ANALYTE	SPIKE CONC. ADDED	CONC. MATRIX SPIKE	% REC.	CONC. MATRIX SPIKE DUP.	% REC.	REL. % DEV.
Vinyl Chloride	6.0	6.3	105	6.8	113	3.8
1,3-Dichlorobenzene	6.0	6.6	110	6.5	108	0.92
Chlorobenzene	6.0	5.8	97	5.6	93	1.8

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

#2 1ml PEG BLK

CHANNEL A INJECT 01:46:24



090

HALL 01:46:24 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 75 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	1.49	542480	02	
2	0.	2.02	235424	02	
3	0.	2.48	17702	03	
4	0.	3.89	5605415	08	
5	0.	4.66	894	05	
6	0.	5.24	26988	02	
7	0.	5.32	176923	02	
8	0.	5.56	158641	03	
9	0.	8.45	306532	01	
10	0.	10.22	320045	01	
11	0.	13.1	91813	01	
12	0.	20.11	135951	02	
13	0.	20.96	713342	03	
14	0.	31.26	62254	02	
15	0.	32.33	2080447	03	
TOTALS	0.		10474851		

INPUT OVERRANGE AT RT= 5.56

FID 01:46:24 CH= "B" PS= 1.

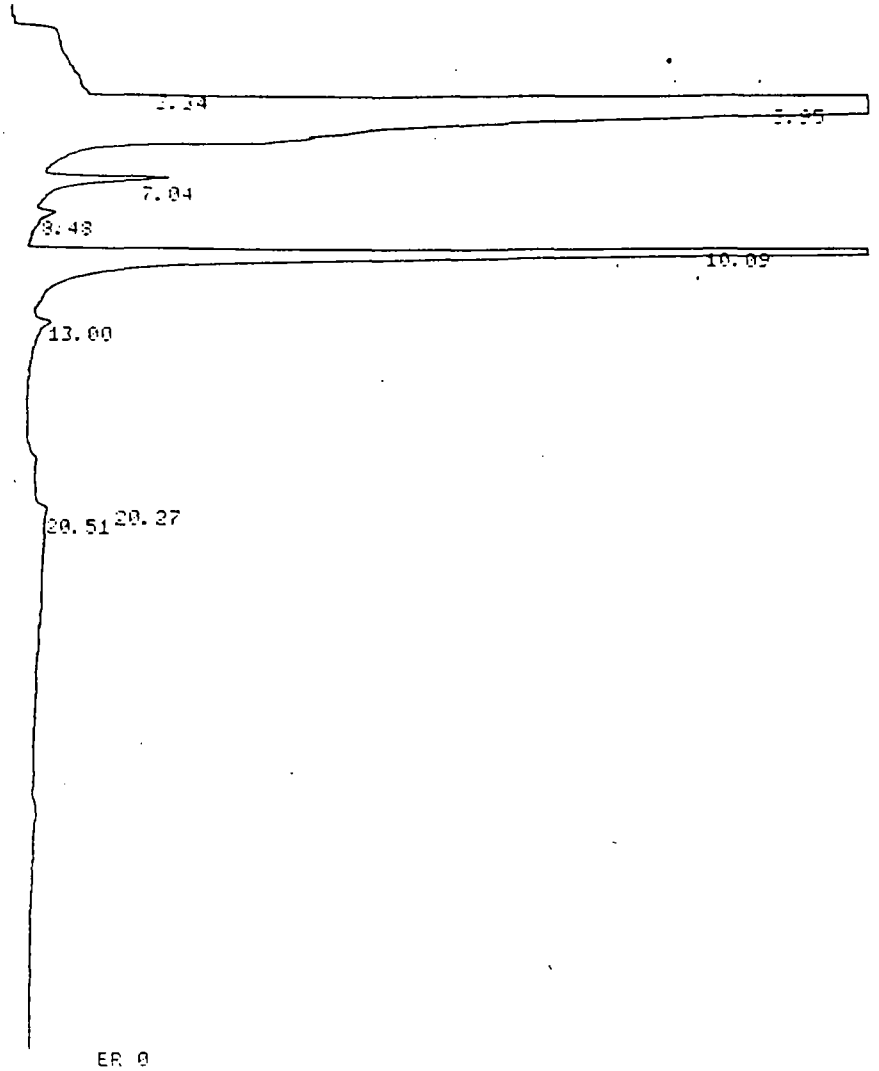
FILE 1. METHOD 5. RUN 75 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
[illegible]	0.	0.42	2927	01	
[illegible]	0.	1.14	50107	02	

15 ml R110010

CHANNEL A INJECT 10:41:27



ER 0

HALL 10:41:27 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 83 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	3.34	324353	02	
2	0.	3.95	57386819	02	CH_2Cl_2 = 9800 ppb
3	0.	7.04	690411	02	
4	0.	8.48	131278	03	
5	0.	10.09	9583821	01	NITRA = 740 ppb
6	0.	13.	72547	01	
7	0.	20.27	42454	02	
8	0.	20.51	29184	03	
TOTALS	0.		68260867		

INPUT OVERRANGE AT RT= 5.56

PID 10:41:27 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 83 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	6.99	179298	01	
2	0.	8.58	53498	01	
3	0.	19.23	144190	01	
4	0.	22.26	40507	02	
5	0.	23.13	416079	03	
6	0.	26.	167844	02	
7	0.	26.94	141218	03	
TOTALS	0.		1142634		

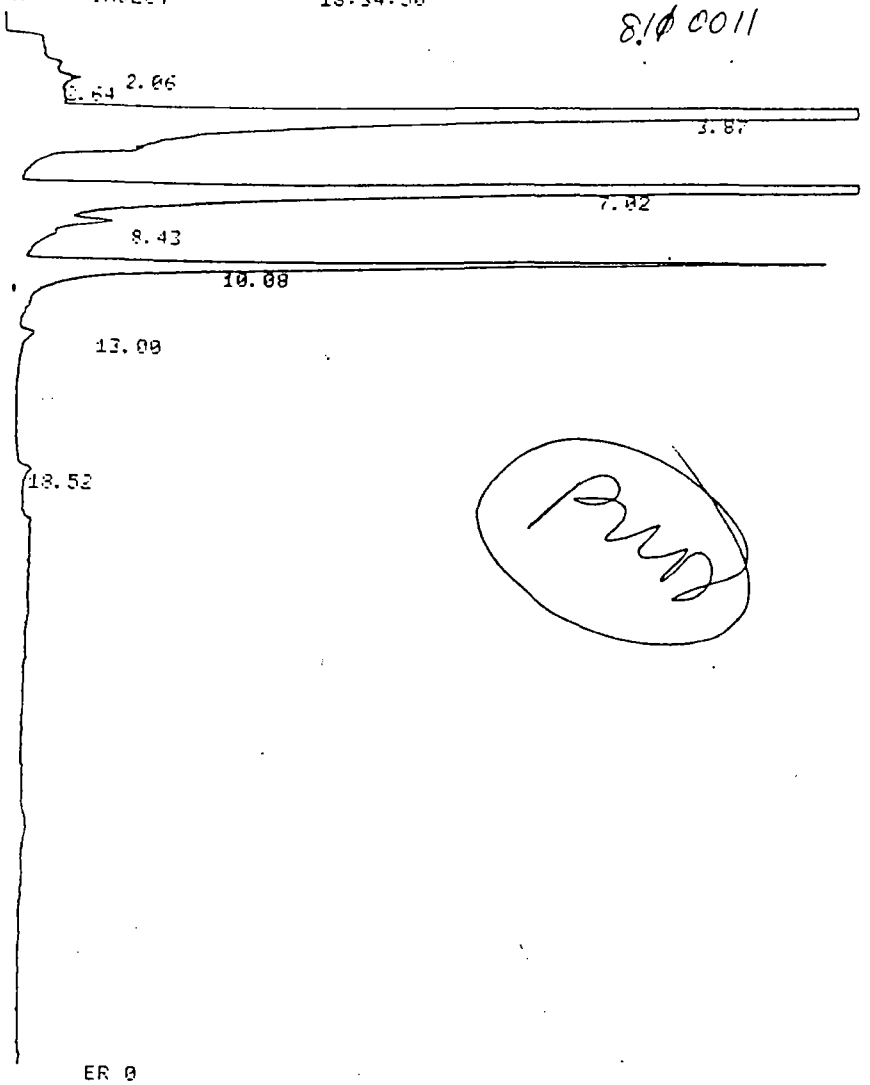
10 3

#1

TOTALS 0. 90174

CHANNEL A INJECT 18:34:50

500 λl
81Ø 0011



ER 0

HALL 18:34:50 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 92 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	2.06	118468	02	
2	0.	2.64	315767	02	
3	0.	3.87	27343609	02	CH_2Cl_2 = 69ppb
4	0.	7.02	16591841	02	11DCA = 48ppb
5	0.	8.43	757020	08	
6	0.	10.08	4100806	05	111TCA = 10ppb
7	0.	13.	59690	01	
8	0.	18.52	55104	01	
TOTALS	0.		49342305		

INPUT OVERRANGE AT RT= 5.56

PID 18:34:51 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 92 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	0.43	6869	01	
2	0.	1.15	13563	01	
3	0.	7.	173828	01	
4	0.	7.86	12936	01	
5	0.	8.58	45379	01	
6	0.	9.01	14066	01	
7	0.	10.23	32090	01	

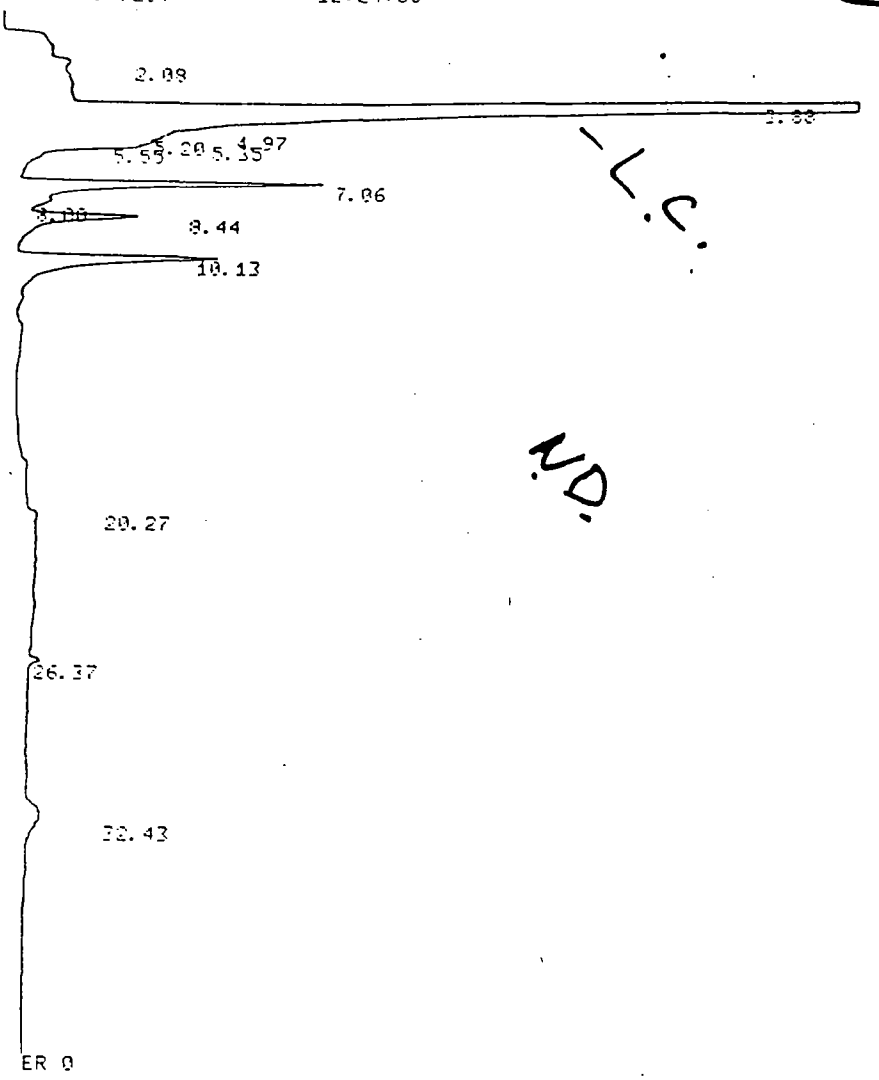
11 7

11 8

TOTALS 0. 615521

1ml 81Φ0012

CHANNEL A INJECT 12:24:56



L.C.

N.D.

10 6

HALL 12:24:56 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 85 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	2.08	575722	02	
2	0.	3.88	20733121	08	
3	0.	4.97	765	05	
4	0.	5.2	2003	05	
5	0.	5.35	51952	06	
6	0.	5.55	87269	07	
7	0.	7.06	1505951	08	
8	0.	8.	1211	05	
9	0.	8.44	491058	05	
10	0.	10.13	1220268	01	
11	0.	20.27	31585	03	
12	0.	26.37	35517	01	
13	0.	32.43	215900	01	
TOTALS	0.		24952322		

INPUT OVERRANGE AT RT= 5.56

PID 12:24:57 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 85 INDEX 1

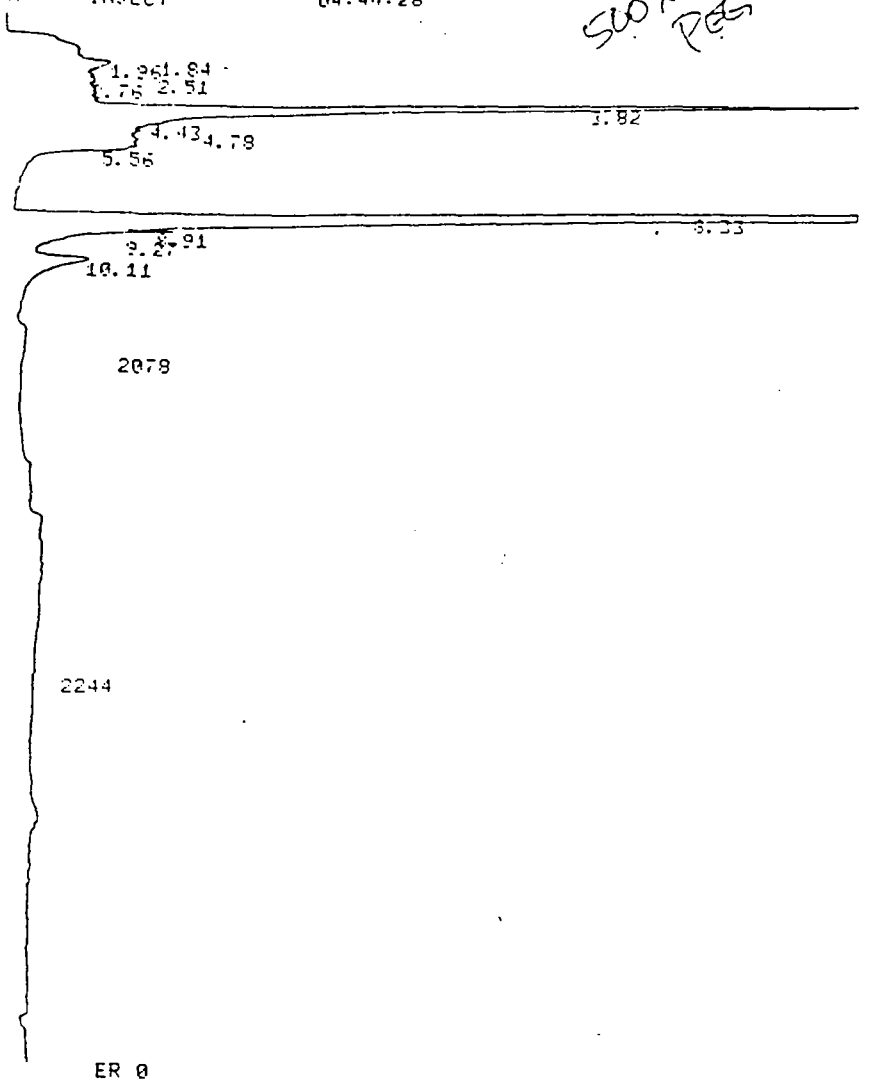
ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	0.42	6364	01	
2	0.	1.16	57733	01	
3	0.	7.	182462	01	
4	0.	7.85	35818	01	

5	0.	20.39	9749 01
TOTALS	0.		779923

#7 500xl PES BLK

CHANNEL A INJECT 04:44:28



049

HALL 04:44:28 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 50 INDEX 1

ANALYST: MRG

NAME	FPB	RT	AREA	BC	RF
1	0.	1.84	335258	02	
2	0.	1.96	15702	03	
3	0.	2.51	7166	02	
4	0.	2.76	11980	03	
5	0.	3.82	3623385	02	
6	0.	4.43	398680	02	
7	0.	4.78	1025711	02	
8	0.	5.56	146316	03	
9	0.	8.33	9558647	02	
10	0.	8.91	470164	02	
11	0.	9.27	199236	02	
12	0.	10.11	469085	03	
TOTALS	0.		16261330		

INPUT OVERRANGE AT RT= 5.55

PID 04:44:28 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 50 INDEX 1

ANALYST: MRG

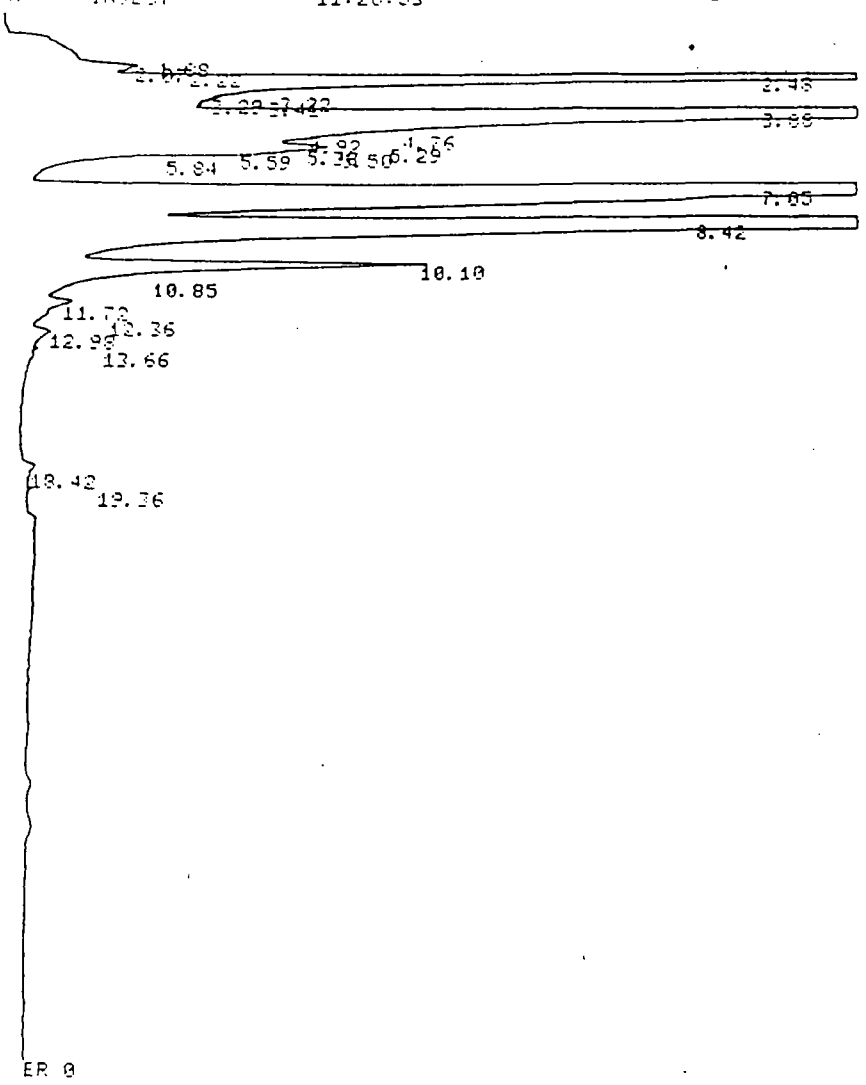
NAME	FPB	RT	AREA	BC	RF
1	0.	1.12	12031	01	
2	0.	6.92	1271996	01	

050

TOTALS 0. 1867299

#3 500 in
8102479

CHANNEL A INJECT 11:26:53



061

HPLL 11:26:53 CH= "A" FS= 1.

FILE 1. METHOD 5. RUN 58 INDEX 1

ANALYST: MRG

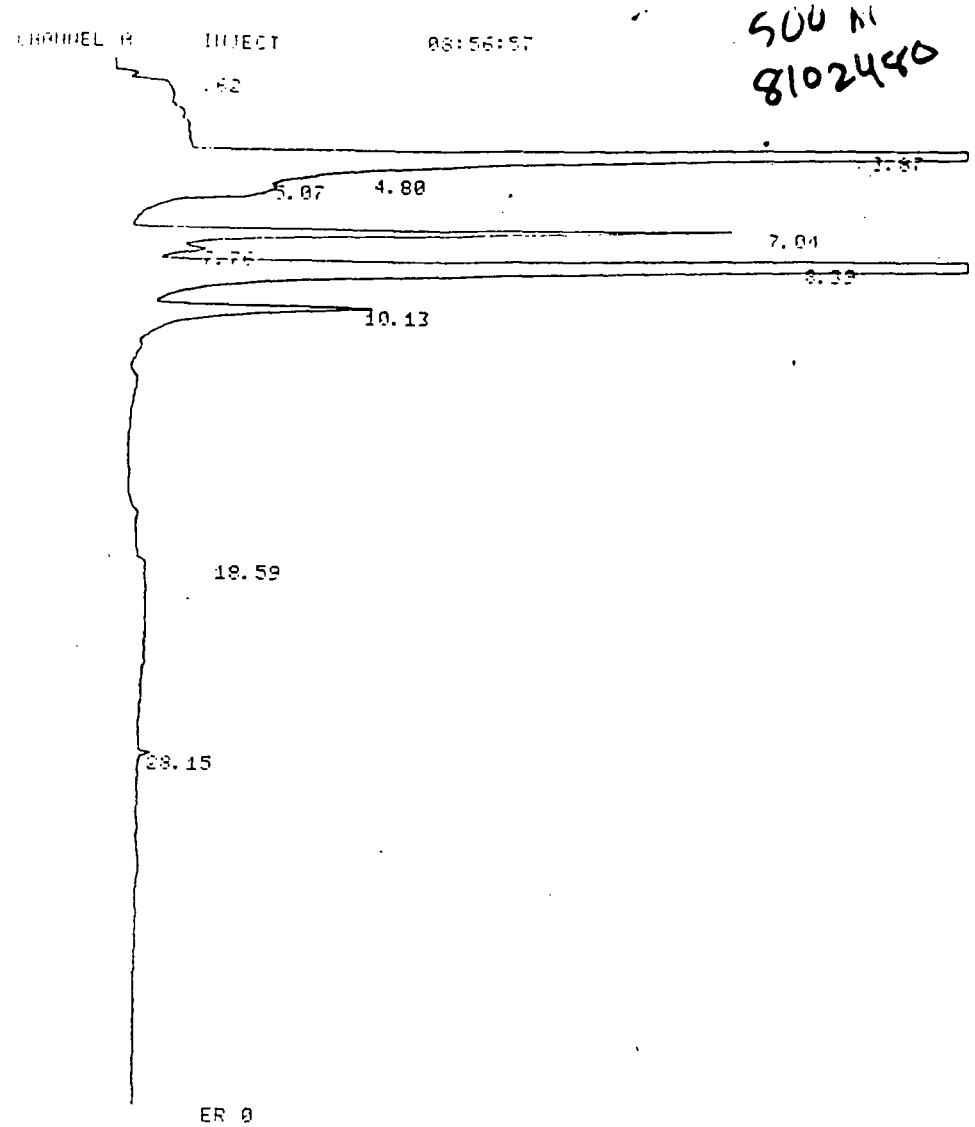
NAME	PPB	RT	AREA	BC	RF
1	0.	1.88	878471	02	
2	0.	2.07	480200	02	
3	0.	2.22	285756	02	
4	0.	2.48	9616507	02	CO = 39 ppb
5	0.	3.22	157610	02	
6	0.	3.29	430251	02	
7	0.	3.41	821415	02	
8	0.	3.88	28180164	08	MeCl2 = 62 ppb
9	0.	4.76	5708	05	
10	0.	4.92	8447	05	
11	0.	5.29	291643	06	
12	0.	5.38	192820	06	
13	0.	5.5	171287	06	
14	0.	5.59	117177	07	
15	0.	5.84	516	05	
16	0.	7.05	39040788	08	MeOH = 110 ppb
17	0.	8.42	34867310	05	
18	0.	10.1	1905879	02	<
19	0.	10.85	9424	03	
20	0.	11.72	155389	02	
21	0.	12.36	19093	03	
22	0.	12.98	36558	01	
23	0.	13.66	5938	01	
24	0.	18.42	67810	01	
25	0.	19.36	2618	01	

TOTALS 0. 117749779

062

INPUT OVERRANGE AT RT= 5.56

500 ml
8102480



057

HALL 08:56:57 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 55 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	0.62	47969	03	
2	0.	3.87	16327192	08	MeCl = ~~3.2 ml~~ 32 ml
3	0.	4.8	384	05	
4	0.	5.07	496	05	
5	0.	7.04	2582765	02	11 Dcm = ~~0.74 ml~~ 7.4 ml
6	0.	7.76	340689	02	
7	0.	8.29	20887077	03	
8	0.	10.13	1250686	01	
9	0.	18.59	48191	03	
10	0.	28.15	21918	01	
TOTALS	0.		41507266		

INPUT OVERRANGE AT RT= 5.56

PID 08:56:57 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 55 INDEX 1

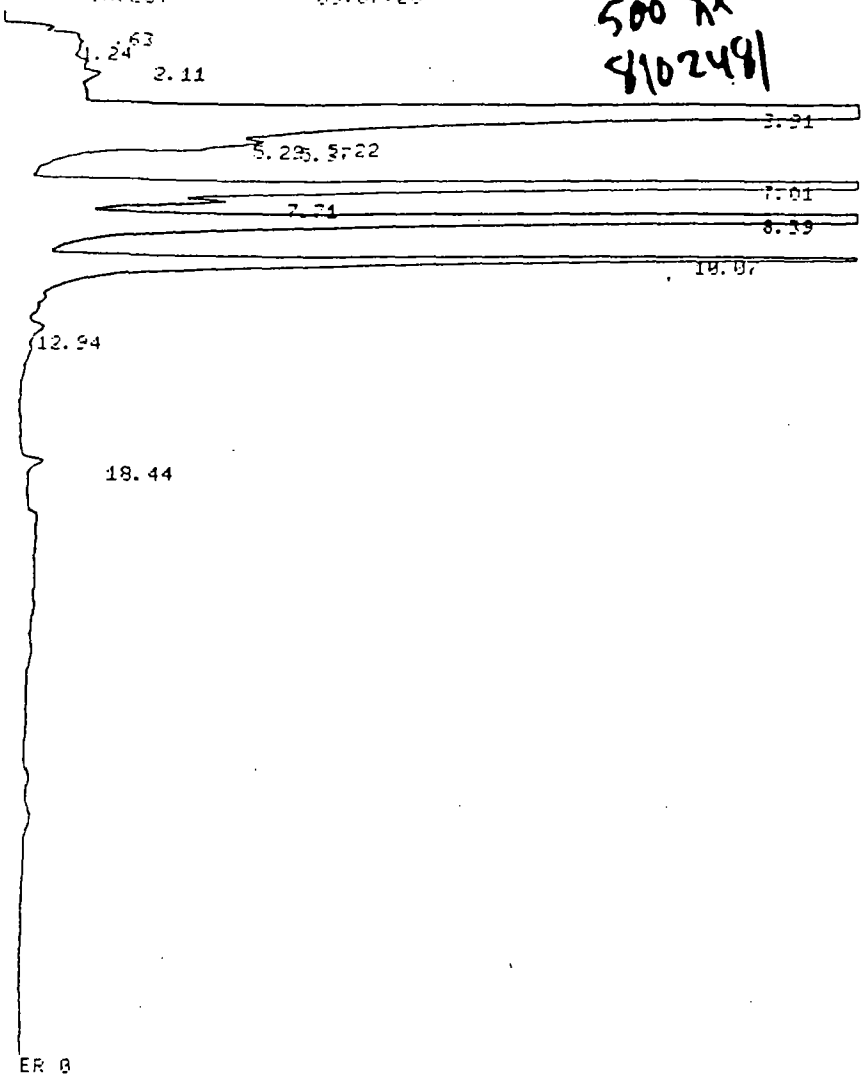
ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	0.43	4121	01	
2	0.	1.14	12940	01	
3	0.	6.99	1401515	01	
4	0.	7.84	9481	01	
5	0.	8.57	251653	01	
6	0.	10.21	14118	01	
7	0.	13.01	74590	01	
8	0	19.21	27249	01	

TOTAL: 0. 21.[illegible]

CHANNEL A INJECT 09:07:20

#1
500 nl
8102481



055

HALL 08:07:20 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 54 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	0.63	85644	03	
2	0.	1.24	6149	01	Minus 36E3
3	0.	2.11	15714	01	
4	0.	3.91	38006094	08	CH=CL= ~~8.7ppb~~ 87
5	0.	5.22	59041	06	
6	0.	5.29	41284	06	
7	0.	5.37	36431	07	
8	0.	7.01	11766743	02	11DCA = ~~3.4ppb~~ 34
9	0.	7.71	1115431	02	
10	0.	8.39	15789580	08	
11	0.	10.07	5382487	05	11TCA = ~~1.7ppb~~ 13
12	0.	12.94	77493	01	
13	0.	18.44	82357	01	
TOTALS	0.		72464448		

INPUT OVERRANGE AT RT= 5.56

056

FID 08:07:20 CH= "B" PS= 1.

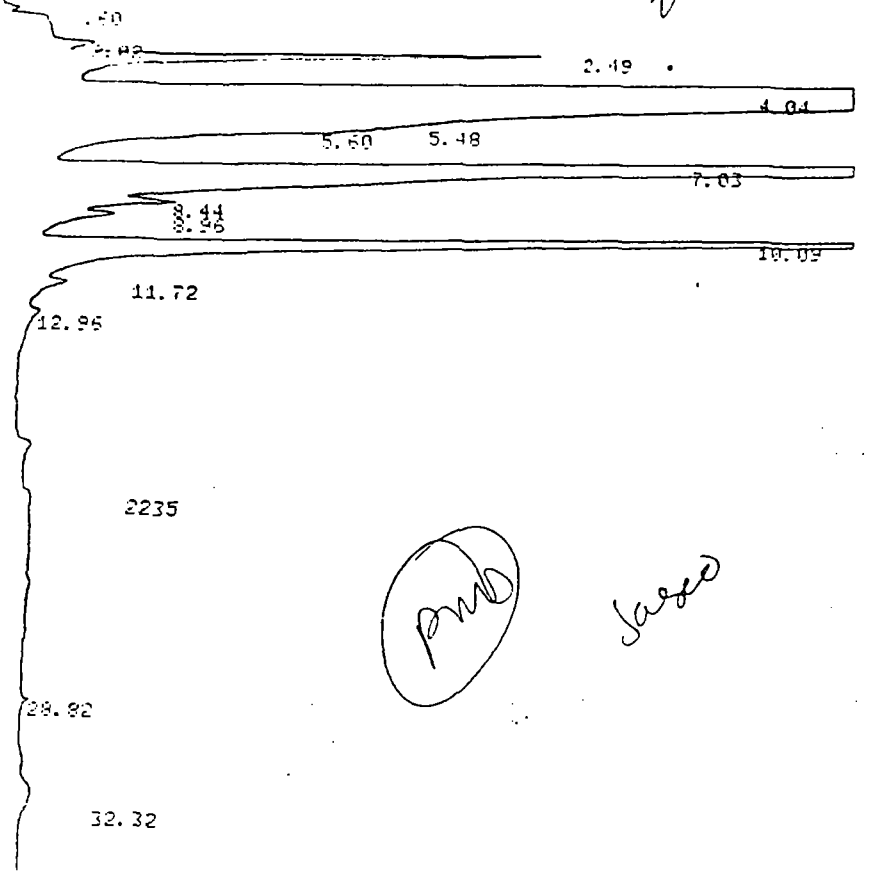
FILE 1. METHOD 5. RUN 54 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	0.69	53765	01	
2	0.	1.14	18343	02	
3	0.	1.39	967924	03	
4	0.	6.98	1352045	01	

CHANNEL A INJECT 20:52:45

#6 250 x 810 C.



PMD

Jasco

080

HALL 20:52:45 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 69 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	0.6	31799	03	
2	0.	2.02	158808	02	
3	0.	2.49	2070923	03	CE = 17 ppb
4	0.	4.04	67162305	08	CH_2Cl_2 = 340 ppb
5	0.	5.48	4223	05	
6	0.	5.6	33217	05	
7	0.	7.03	25054732	08	11DCE = 140 ppb
8	0.	8.44	231172	05	
9	0.	8.96	148626	01	
10	0.	10.09	7048398	01	111TCA = 35 ppb
11	0.	11.72	95602	01	
12	0.	12.96	51800	01	
13	0.	28.82	5627	01	
14	0.	32.32	155506	01	
TOTALS	0.		102252738		

INPUT OVERRANGE AT RT= 5.56

PID 20:52:45 CH= "B" PS= 1.

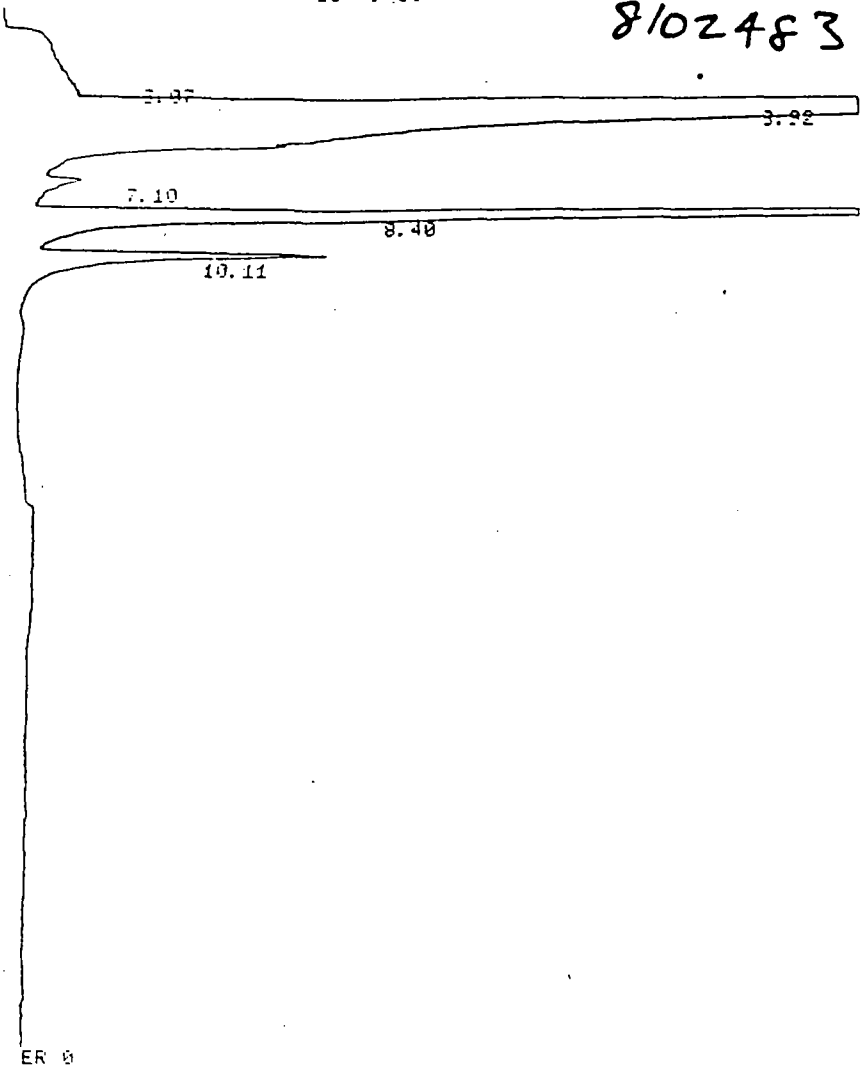
FILE 1. METHOD 5. RUN 69 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	1.35	10000	01	
2	0.	7.	161694	01	
3	0.	7.42	8226	01	
[illegible]	0.	8.58	41279	01	
[illegible]	0.	13.03	81338	01	
[illegible]	0.	15.47	44603	01	
[illegible]	0.	19.23	650522	01	
[illegible]	0.	20.16	12078	01	
[illegible]	[illegible]	21.89	22533	02	
[illegible]	[illegible]	22.23	125567	03	
[illegible]	[illegible]	23.37	28168	01	

5ml
8102483

CHANNEL A INJECT 15:49:50



070

HALL 15:49:50 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 63 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	3.07	175352	02	
2	0.	3.92	55467624	02	CHLCH = 21,000 ppb
3	0.	7.1	291814	02	
4	0.	8.4	10159236	02	
5	0.	10.11	1952466	03	MITCH = 4800 <
TOTALS	0.		68046492		

INPUT OVERRANGE AT RT= 5.56

PID 15:49:50 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 63 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	0.43	4806	01	
2	0.	6.99	982451	01	
3	0.	8.57	258592	01	
4	0.	19.23	36813	01	
TOTALS	0.		1282662		

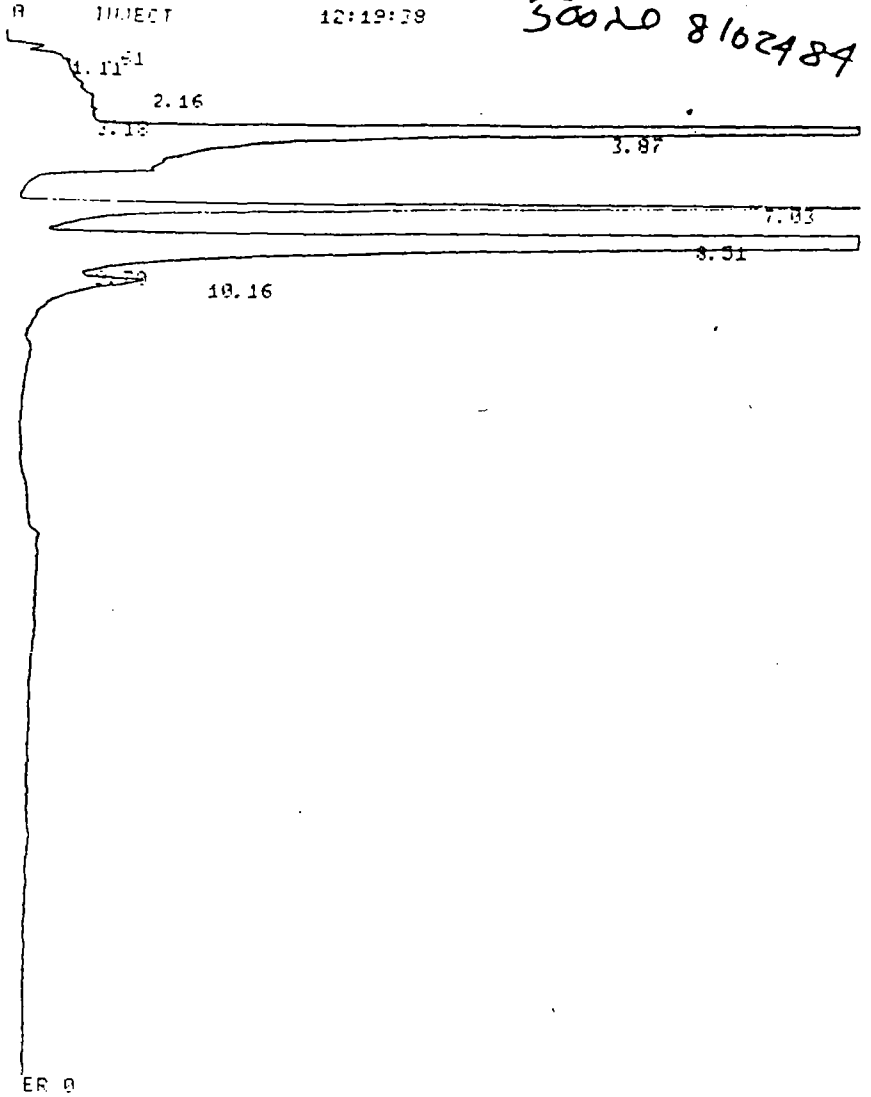
071

CHANNEL A INJECT 16:42:13

.68

#1
5ml 8101702

CHANNEL A INJECT 12:19:38 500 20 8102484



063

HALL 12:19:38 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 59 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	0.61	75700	02	
2	0.	1.11	46280	03	
3	0.	2.16	161635	02	
4	0.	3.18	696112	02	
5	0.	3.87	14897996	03	CH_2Cl_2 = 28
6	0.	7.03	3315301	01	11DCA = 9.5 ppb
7	0.	8.51	46958627	08	
8	0.	9.7	722	05	
9	0.	10.16	374354	01	
TOTALS	0.		66526727		

064

INPUT OVERRANGE AT RT= 5.56

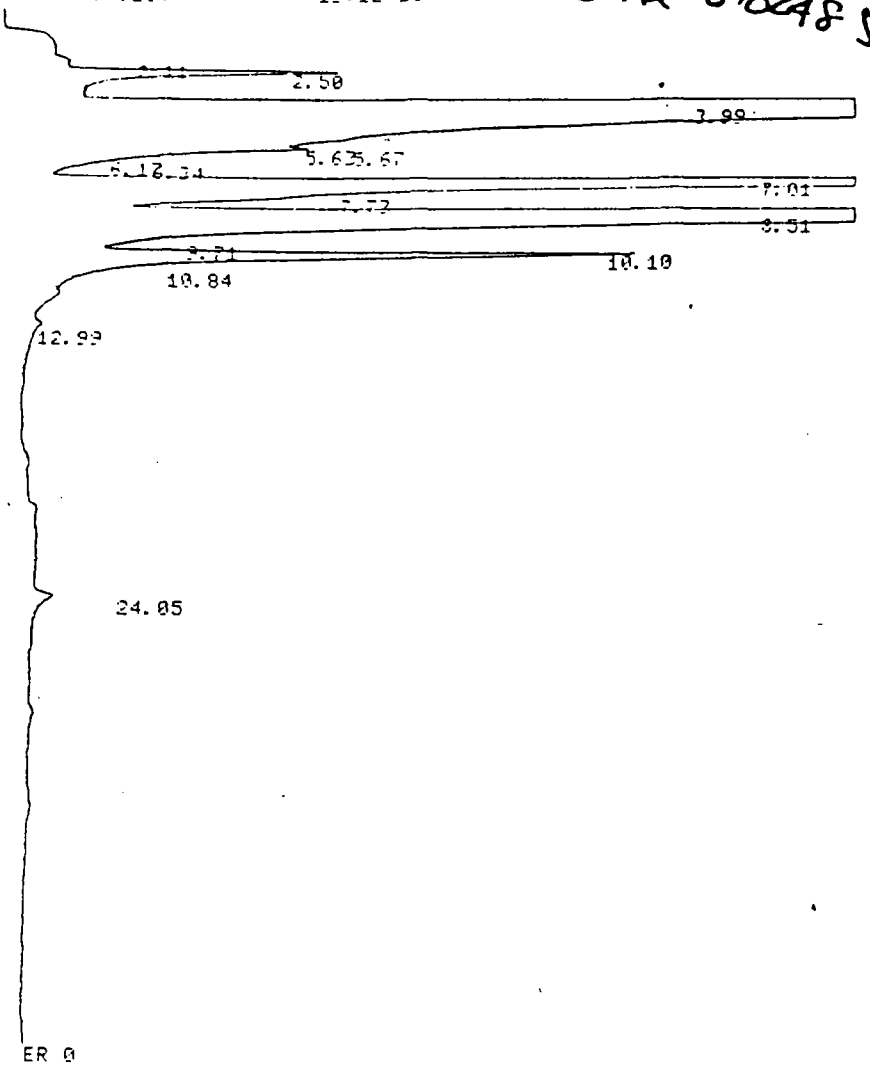
PID 12:19:38 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 59 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	1.15	32064	01	
2	0.	6.98	1127234	01	
3	0.	7.85	16604	01	
4	0.	8.57	285743	01	
5	0.	10.21	30295	01	
6	0.	13.02	74993	01	
7	0.	19.22	89999	01	
8	0.	22.18	19097	01	

CHANNEL A INJECT 13:12:18 250xe 8102485



065

HALL 13:12:18 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 60 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	2.11	47046	02	
2	0.	2.5	1168991	03	CE <
3	0.	3.99	56123189	08	MVCl2 = 270ppb
4	0.	5.63	60834	06	
5	0.	5.67	72520	07	
6	0.	6.17	455	05	
7	0.	6.34	630	05	
8	0.	7.01	17139905	02	11DCA = 99ppb
9	0.	7.73	944776	02	
10	0.	8.51	50283742	08	
11	0.	9.71	552	05	
12	0.	10.1	2751867	06	111TCA = 14ppb
13	0.	10.84	65479	07	
14	0.	12.99	41128	01	
15	0.	24.05	61751	01	
TOTALS	0.		128762865		

INPUT OVERRANGE AT RT= 5.56

PID 13:12:18 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 60 INDEX 1

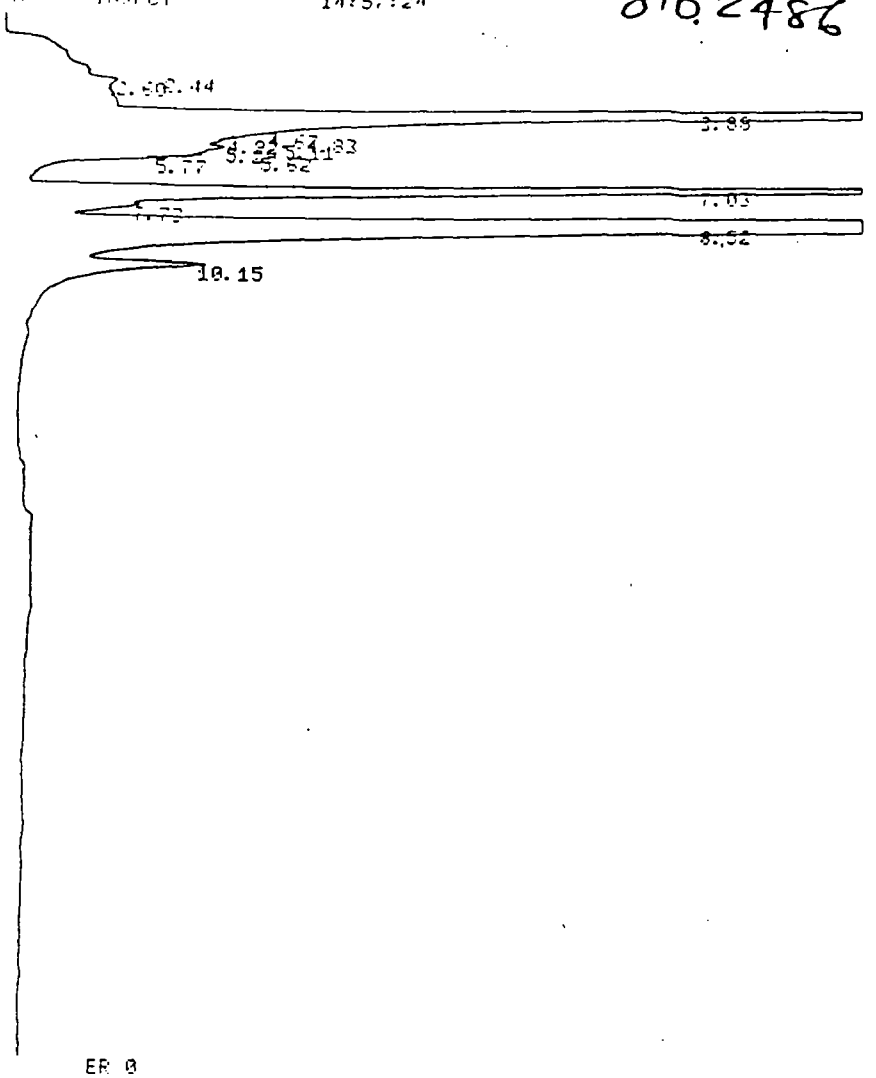
ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	0.09	6010	02	
2	0.	0.42	5474	02	
3	0.	1.14	13355	01	

22	0.	33.37	265568 03
TOTALS	0.		4763178

500 ml
810.2486

CHANNEL A INJECT 14:57:24



ER 0

HALL 14:57:24 CH= "A" PS= 1.

FILE 1. METHOD 5. RUN 62 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF
1	0.	2.44	385547	02	
2	0.	2.6	15581	03	
3	0.	3.88	15682044	08	CH_2Cl_2 - 48ppb
4	0.	4.67	489	05	
5	0.	4.83	1112	05	
6	0.	4.92	567	05	
7	0.	5.11	2042	05	
8	0.	5.29	50079	05	
9	0.	5.62	30778	06	
10	0.	5.77	48904	07	
11	0.	7.03	7379585	02	11DCA = 21
12	0.	7.73	430434	02	
13	0.	8.52	48175565	03	
14	0.	10.15	642596	01	
TOTALS	0.		72845323		

INPUT OVERRANGE AT RT= 5.56

PID 14:57:24 CH= "B" PS= 1.

FILE 1. METHOD 5. RUN 62 INDEX 1

ANALYST: MRG

NAME	PPB	RT	AREA	BC	RF

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Harding-Lawson Associates
666 Howard St., 3rd Floor
San Francisco, CA 94105
Attn: Bob Breynaert

Q.C. Sample Dates
Date Extracted: 11/02/88
Date Analyzed: 11/02/88
Date Reported: 11/04/88

Quality Control Data Report

Method of Analysis: EPA 8010
Reporting Units: µg/L
Analyst: M. Giles

Sample No. 8110153
Project: #18954.001.04, Jasco Chemical Corp.

ANALYTE	SPIKE CONC. ADDED	CONC. MATRIX SPIKE	% REC.	CONC. MATRIX SPIKE DUP.	% REC.	REL. % DEV.
Vinyl Chloride	3.0	2.9	97	3.2	107	4.9
1,3-dichlorobenzene	3.0	2.7	90	3.0	100	5.3
1,2-Dichloropropane	3.0	3.2	107	3.4	113	3.0

SEQUOIA ANALYTICAL LABORATORY

Arthur G. Burton
Laboratory Director

APPENDIX G

LABORATORY REPORTS AND QA/QC OF SOIL ANALYSES CONDUCTED JUNE TO AUGUST 1990

OHM

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 03/88

No. 54956

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: Jasco Chemical Corp.
PROJECT LOCATION: MT. VIEW
PROJ. NO.: 7403
PROJECT CONTACT: Scott Rice
PROJECT TELEPHONE NO.: (916) 928-1819
CLIENT'S REPRESENTATIVE: Don Thomas
PROJECT MANAGER/SUPERVISOR: Scott Rice

ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)

ITEM NO.	SAMPLE NUMBER	DATE (90)	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	EPA Method 8010	EPA Method 8020	Alcohols + Acetone EPA 8015	High Boiling Pt Hydrocarbons (8015)	Low Boiling Pt Hydrocarbons (8015)				REMARKS
1	7403-S1A	6-5	0909		X	Surface Soil - From 1 foot square grid	1-liter glass Jar	✓	✓	✓	✓	✓				
2	7403-S1B	6-5	1035		X		1-6" Brass Tube	✓	✓	✓	✓	✓				
3	7403-S2A	6-5	1000		X		1-liter glass Jar	✓	✓	✓	✓	✓				
4	7403-S2B	6-5	1040		X		1-6" Brass Tube	✓	✓	✓	✓	✓				
5	7403-S3A	6-5	1015		X		1-liter glass Jar	✓	✓	✓	✓	✓				
6	7403-S3B	6-5	1100		X		1-6" Brass Tube	✓	✓	✓	✓	✓				
7	7403-S4A	6-5	1030		X		1-liter glass Jar	✓	✓	✓	✓	✓				
8	7403-S4B	6-5	1110		X		1-6" Brass Tube	✓	✓	✓	✓	✓				
9	7403-S5A	6-5	1038		X		1-liter glass Jar	✓	✓	✓	✓	✓				
10	7403-S5B	6-5	1130		X		1-6" Brass Tube	✓	✓	✓	✓	✓				

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1 ~~-10~~				
2					
3					
4	1-10	Scott Rice	[illegible]	6/5/90	1640

REMARKS: Sequoia Analytical Redwood City

Normal

SAMPLER'S SIGNATURE: Scott Rice

OHM

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 03/88

No. 54954

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME	PROJECT LOCATION
Jasco Chemical Corp	MT. VIEW

PROJ. NO.	PROJECT CONTACT	PROJECT TELEPHONE NO.
7403	SCOTT RICE	(916) 928 1819

CLIENT'S REPRESENTATIVE	PROJECT MANAGER/SUPERVISOR
Dan Thomas	Scott Rice

ITEM NO.	SAMPLE NUMBER	90 DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	EPA 8010	EPA 8020	Acetone + Alcohols EPA 8015	High Boiling Point Hydrocarbons (8015)	Low Boiling Point Hydrocarbons (8015)				REMARKS
1	7403-S6A	6-5	1315		X	Surface Soil - From 1' square grid	1-Liter Glass Jar	✓	✓	✓	✓	✓				
2	7403-S6B	6-5	1330		X	Surface Soil - From 1' depth with hand auger then Slide Hammer	1-6" Brass tube	✓	✓	✓	✓	✓				
3	7403-EW1	6-5	1430		X	Equipment Decon Wash	1-40ml VOA	✓	✓	✓		✓				
4	7403-EW1A	6-5	1432		X	Equipment Decon Wash	1-40ml VOA	✓	✓	✓		✓				Duplicate do not analyze
5	7403-EW2	6-5	1434		X	Equipment Decon Wash	1-40ml VOA	✓	✓	✓		✓				
6	7403-EW2A	6-5	1436		X	Equipment Decon Wash	1-40ml VOA	✓	✓							Duplicate do not analyze
7	7403-S7A	6-5	1440		X	Surface Soil - From 1' depth with hand auger the Slide Hammer	1-6" Brass Tube	✓	✓	✓	✓	✓				
8	7403-S7B	6-5	1505		X	Surface Soil - From 5' depth with hand auger the slide hammer	1-6" Brass Tube	✓	✓	✓	✓	✓				
9																
10																

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	~~1-8~~				
2					
3					
4	1-8	Scott Rice	[illegible]	6/5/90	1640

REMARKS
Sequoia Analytical
Redwood City, CA

Normal 15 day TAT

SAMPLER'S SIGNATURE Scott Rice

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

RECEIVED JUL 0 2 1990 DAO

Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S1A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0504	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S1B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 18, 1990
Attention: Dan Thomas	Lab Number:	006-0505	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S2A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0506	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S2B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0507	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S3A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0508	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S3B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0509	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S4A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 12, 1990
Attention: Dan Thomas	Lab Number:	006-0510	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S4B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0511	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S5A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 12, 1990
Attention: Dan Thomas	Lab Number:	006-0512	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S5B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0513	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	5.4
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S6A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0514	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S6B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0515	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S7A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0518	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S7B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0519	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Water, EW-1	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0516	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	1.0	N.D.
Total 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	2.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Water, EW-2	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0517	Reported:	Jun 29, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	1.0	N.D.
Total 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	2.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S1A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0504	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S1B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0505	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S2A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0506	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S2B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0507	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S3A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0508	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S3B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0509	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	19
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S4A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 12, 1990
Attention: Dan Thomas	Lab Number:	006-0510	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S4B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0511	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	27
Xylene	5.0	15

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S5A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 12, 1990
Attention: Dan Thomas	Lab Number:	006-0512	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S5B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0513	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S6A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0514	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S6B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0515	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	18
Xylene	5.0	5.4

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, 57A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0518	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	7.6
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S7B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0519	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Water, EW1	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0516	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Chlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
Ethyl Benzene	0.50	N.D.
Toluene	0.50	N.D.
Xylene	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Water, EW2	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jun 11, 1990
Attention: Dan Thomas	Lab Number:	006-0517	Reported:	Jun 29, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Chlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
Ethyl Benzene	0.50	N.D.
Toluene	0.50	N.D.
Xylene	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S1A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0504	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.50	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.50	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S1B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0505	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.50	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.50	N.D.
Methanol	1.0	12

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S2A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0506	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.50	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.50	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S2B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0507	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.50	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.50	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S3A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0508	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.50	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.50	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S3B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0509	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.50	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.50	N.D.
Methanol	1.0	44

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

60507.JAS <3>

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S4A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0510	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.50	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.50	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

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Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S4B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0511	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.50	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.50	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S6A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0512	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.50	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.50	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S6B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0513	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.50	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.50	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S6A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0514	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.50	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.50	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S6B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0515	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.50	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.50	N.D.
Methanol	1.0	25

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S7A	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0518	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.50	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.50	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Soil, S7B	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0519	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.50	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.50	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

60507.JAS <11>

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Water, EW1	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0516	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	700

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Sample Descript:	Water, EW2	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jun 19, 1990
Attention: Dan Thomas	Lab Number:	006-0517	Reported:	Jun 29, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Maria Lee
Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Matrix Descript:	Soil	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 3550/8015		
Attention: Dan Thomas	First Sample #:	006-0504	Analyzed:	Jun 25, 1990
			Reported:	Jun 29, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
006-0504	S1A	50
006-0505	S1B	290
006-0506	S2A	N.D.
006-0507	S2B	N.D.
006-0508	S3A	1.4
006-0509	S3B	4.1
006-0510	S4A	28
006-0511	S4B	48

Detection Limits:	**1.0**

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee
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Please Note:
Sample 006-0505 appears to contain diesel.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Matrix Descript:	Soil	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 3550/8015		
Attention: Dan Thomas	First Sample #:	006-0512	Analyzed:	Jun 25, 1990
			Reported:	Jun 29, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
006-0512	S5A	15
006-0513	S5B	9.4
006-0514	S6A	N.D.
006-0515	S6B	N.D.
006-0518	S7A	N.D.
006-0519	S7B	N.D.

Detection Limits:	**1.0**

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

Please Note:
Sample 006-0513 appears to contain diesel.

60507.JAS <15>

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Jasco	Client Project ID:	#7403		Sampled:	Jun 5, 1990
P.O. Drawer J	Matrix Descript:	Soil		Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8015/8020		Analyzed:	Jun 15, 1990
Attention: Dan Thomas	First Sample #:	006-0504		Reported:	Jun 29, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
006-0504	S1A	N.D.	N.D.	N.D.	N.D.	0.0060
006-0505	S1B	730	0.12	0.13	0.37	0.66
006-0506	S2A	N.D.	0.0079	0.0055	N.D.	0.013
006-0507	S2B	N.D.	N.D.	N.D.	N.D.	N.D.
006-0508	S3A	N.D.	N.D.	0.017	N.D.	0.0061
006-0509	S3B	N.D.	N.D.	0.032	N.D.	0.0057
006-0510	S4A	N.D.	N.D.	N.D.	N.D.	0.016
006-0511	S4B	N.D.	N.D.	0.081	0.032	0.16
Detection Limits:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.0050**

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Matrix Descript:	Soil	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8015/8020	Analyzed:	Jun 15, 1990
Attention: Dan Thomas	First Sample #:	006-0512	Reported:	Jun 29, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
006-0512	S5A	1.4	N.D.	N.D.	N.D.	N.D.
006-0513	S5B	N.D.	N.D.	0.13	N.D.	N.D.
006-0514	S6A	N.D.	N.D.	0.0061	N.D.	0.0068
006-0515	S6B	N.D.	N.D.	0.038	0.052	0.15
006-0518	S7A	N.D.	N.D.	0.0084	N.D.	0.011
006-0519	S7B	N.D.	0.0059	0.0074	0.0026	0.012
Detection Limits:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.0050**

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jun 5, 1990
P.O. Drawer J	Matrix Descript:	Water	Received:	Jun 5, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8015/8020	Analyzed:	Jun 8, 1990
Attention: Dan Thomas	First Sample #:	006-0516	Reported:	Jun 29, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons µg/L (ppb)	Benzene µg/L (ppb)	Toluene µg/L (ppb)	Ethyl Benzene µg/L (ppb)	Xylenes µg/L (ppb)
006-0516	EW1	N.D.	N.D.	N.D.	N.D.	N.D.
006-0517	EW2	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limits:		**30**	**0.30**	**0.30**	**0.30**	**0.30**

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

OHM

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 03/88

No. 54957

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: JASCO
PROJECT LOCATION: MOUNTAIN VIEW, CA
PROJ. NO.: 7403
PROJECT CONTACT: SCOTT RICE
PROJECT TELEPHONE NO.: (916) 928-1819
CLIENT'S REPRESENTATIVE: Dan Thomas
PROJECT MANAGER/SUPERVISOR: SCOTT RICE

ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS): EPA 8010; EPA 8020; EPA 8015 LOW BOILING FRACTION; 8015 High Boiling; 15 DAY TAT

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	EPA 8010	EPA 8020	EPA 8015 LOW BOILING FRACTION	8015 High Boiling					REMARKS
1	V11-2	6/20/90	0930		X	SOIL SAMPLE, V-11 2 FEET	1-BRASS SLEEVE	X	X	X	X					
2	V11-5	6/20/90	0940		X	SOIL SAMPLE, V-11 5 FEET	1-BRASS SLEEVE	X	X	X	X					
3	V11-10	6/20/90	0951		X	SOIL SAMPLE, V-11 10 FEET	1-BRASS SLEEVE	X	X	X	X					
4	V11-15	6/20/90	1015		X	SOIL SAMPLE, V-11 15 FEET	1-BRASS SLEEVE	X	X	X	X					
5	V11-20	6/20/90	1032		X	SOIL SAMPLE, V-11 20 FEET	1-BRASS SLEEVE	X	X	X	X					
6	V11-25	6/20/90	1058		X	SOIL SAMPLE, V-11 25 FEET	1-BRASS SLEEVE	X	X	X	X					
7	V11-30	6/20/90	1116		X	SOIL SAMPLE, V-11 30 FEET	1-BRASS SLEEVE	X	X	X	X					
8	EB-1	6/20/90	1530		X	H_2O SAMPLE	2-40ml VOA	X	X							
9	TB-1	6/20/90	1545		X	H_2O SAMPLE	2-40ml VOA	X	X							
10	V12-15	6/20/90	1700		X	SOIL SAMPLE, V-12 15 FEET	1-BRASS SLEEVE	X	X	X	X					

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1-10	[signature]	Scott Rice	6/21	1700
2	1-10	Scott Rice	[signature]	6/22/90	1235
3					
4					

REMARKS
TO: SEQUOIA ANALYTICAL
REDWOOD CITY
RESULTS TO: DAN THOMAS
JASCO

SAMPLER'S SIGNATURE: [signature] #2100

A Subsidiary of Environmental Treatment and Technologies Corp.
The Environmental Services Company

TRANSFER 3

OHM

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 03/88

No. 55082

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: Jasco Chemical
PROJECT LOCATION: Mountain View, CA
PROJ. NO.: 7403
PROJECT CONTACT: Scott Rice
PROJECT TELEPHONE NO.: 916 928 1819
CLIENT'S REPRESENTATIVE: Dan Thomas
PROJECT MANAGER/SUPERVISOR: Scott Rice

ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS): EPA 8010, EPA 8020, EPA 8015 Low Boiling, EPA 8015 High Boiling, EPA 8015 Acetone + Alcohols

15 days TAT

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	EPA 8010	EPA 8020	EPA 8015 Low Boiling	EPA 8015 High Boiling	EPA 8015 Acetone + Alcohols				REMARKS
1	V-12-25	6/21	1012		X	Soil Sample V-12 25 feet	1 - brass sleeve	X	X	X	X					
2	V-12-30	6/21	1030		X	Soil Sample V-12 30 feet	1 - brass sleeve	X	X	X	X					
3	V-11	6/22	1020		X	Groundwater V-11	6 VOA 2-1l	X	X	X	X	X				
4	V-12	6/22	1100		X	Groundwater V-12	6 VOA 2-1l	X	X	X	X	X				
5	EW 2	6/22	1115		X	Equip Wash of Boiler	2 VOA	X	X			X				
6																
7																
8																
9																
10																

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1 - 5	Scott Rice	[illegible]	6/22/90	1235
2					
3					
4					

REMARKS: To: Sequoia Analytical Redwood City

Results to Dan Thomas

SAMPLER'S SIGNATURE: Scott Rice

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

RECEIVED
JUL 24 1990

Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Matrix Descript:	Soil	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8015/8020	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	First Sample #:	006-3973	Reported:	Jul 18, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
006-3973	V11-2	N.D.	N.D.	N.D.	N.D.	N.D.
006-3974	V11-5	N.D.	N.D.	N.D.	N.D.	N.D.
006-3975	V11-10	N.D.	N.D.	N.D.	N.D.	N.D.
006-3976	V11-15	N.D.	N.D.	N.D.	N.D.	N.D.
006-3977	V11-20	N.D.	N.D.	N.D.	N.D.	N.D.
006-3978	V11-25	N.D.	N.D.	N.D.	N.D.	N.D.
006-3979	V11-30	N.D.	N.D.	N.D.	N.D.	N.D.
006-3980	V12-15	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limits:		1.0	0.0050	0.0050	0.0050	0.0050

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

63973.JAS <1>

SEQUOIA ANALYTICAL
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Jasco	Client Project ID:	#7403	Sampled:	Jun 21, 1990
P.O. Drawer J	Matrix Descript:	Soil	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8015/8020	Analyzed:	Jul 5, 1990
Attention: Dan Thomas	First Sample #:	006-4066	Reported:	Jul 12, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
006-4066	V-12-25	N.D.	0.0064	0.022	0.016	0.075
006-4067	V-12-30	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limits:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.0050**

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

SEQUOIA ANALYTICAL

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(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled: Jun 20, 1990
P.O. Drawer J	Matrix Descript:	Soil	Received: Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 3550/8015	
Attention: Dan Thomas	First Sample #:	006-3973	Analyzed: Jul 12, 1990
			Reported: Jul 18, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
006-3973	V11-2	2.5
006-3974	V11-5	N.D.
006-3975	V11-10	N.D.
006-3976	V11-15	N.D.
006-3977	V11-20	N.D.
006-3978	V11-25	N.D.
006-3979	V11-30	N.D.
006-3980	V12-15	N.D.

Detection Limits:	**1.0**

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

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63973.JAS <2>

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Jasco	Client Project ID:	#7403	Sampled:	Jun 21, 1990
P.O. Drawer J	Matrix Descript:	Soil	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 3550/8015	Analyzed:	Jul 10, 1990
Attention: Dan Thomas	First Sample #:	006-4066	Reported:	Jul 12, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS (EPA 8015)

Sample Number	Sample Description	High B.P. Hydrocarbons mg/kg (ppm)
006-4066	V-12-25	N.D.
006-4067	V-12-25	N.D.

Detection Limits:	**1.0**

High Boiling Point Hydrocarbons are quantitated against a diesel fuel standard.
Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V11-2	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3973	Reported:	Jul 18, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#74[illegible]8	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V11-5	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3974	Reported:	Jul 18, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V11-10	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3975	Reported:	Jul 18, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V11-15	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3976	Reported:	Jul 18, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V11-20	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3977	Reported:	Jul 18, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V11-25	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3978	Reported:	Jul 18, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V11-30	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3979	Reported:	Jul 18, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V11-2	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3973	Reported:	Jul 18, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V11-5	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3974	Reported:	Jul 18, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V11-10	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3975	Reported:	Jul 18, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V11-15	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3976	Reported:	Jul 18, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V11-20	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3977	Reported:	Jul 18, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V11-25	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3978	Reported:	Jul 18, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V11-30	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3979	Reported:	Jul 18, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V12-15	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3980	Reported:	Jul 18, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

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680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jun 21, 1990
P.O. Drawer J	Sample Descript:	Soil, V-12-25	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-4066	Reported:	Jul 12, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager

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(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jun 21, 1990
P.O. Drawer J	Sample Descript:	Soil, V-12-30	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-4067	Reported:	Jul 12, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

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680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Soil, V12-15	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3980	Reported:	Jul 18, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

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SEQUOIA ANALYTICAL
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(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jun 21, 1990
P.O. Drawer J	Sample Descript:	Soil, V-12-25	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-4066	Reported:	Jul 12, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

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(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jun 21, 1990
P.O. Drawer J	Sample Descript:	Soil, V-12-30	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-4067	Reported:	Jul 12, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager

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(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Water, TB-1	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3982	Reported:	Jul 18, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	1.0	N.D.
Total 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	2.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Water, TB-1	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3982	Reported:	Jul 18, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.5	N.D.
Chlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
Ethyl Benzene	0.5	N.D.
Toluene	0.5	N.D.
Xylene	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Water, EW-1	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3981	Reported:	Jul 18, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	1.0	N.D.
Total 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	2.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

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680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jun 20, 1990
P.O. Drawer J	Sample Descript:	Water, EW-1	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 2, 1990
Attention: Dan Thomas	Lab Number:	006-3981	Reported:	Jul 18, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.5	N.D.
Chlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
Ethyl Benzene	0.5	N.D.
Toluene	0.5	N.D.
Xylene	0.5	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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Maria Lee
Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jun 22, 1990
P.O. Drawer J	Sample Descript:	Water, EW2	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 3, 1990
Attention: Dan Thomas	Lab Number:	006-4070	Reported:	Jul 12, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

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680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jun 21, 1990
P.O. Drawer J	Sample Descript:	Water, EW2	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 3, 1990
Attention: Dan Thomas	Lab Number:	006-4070	Reported:	Jul 12, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

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680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jun 22, 1990
P.O. Drawer J	Sample Descript:	Water, EW2	Received:	Jun 22, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 5, 1990
Attention: Dan Thomas	Lab Number:	006-4070	Reported:	Jul 12, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

OHM

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 03/88

No. 49090

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: Jasco
PROJECT LOCATION: Mountain View
PROJ. NO.: 7403
PROJECT CONTACT: Scott Rice
PROJECT TELEPHONE NO.: 916 928 1819
CLIENT'S REPRESENTATIVE: Don Thomas
PROJECT MANAGER/SUPERVISOR: Scott Rice

ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS)

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	EPA 8010	EPA 8020	EPA 8015 (Low Boiling)	EPA 8015 (Alcohols + Acetone)				REMARKS
1	TB	7/10	–		✓	Trow'l Blank	4	X	X		X				4 VOA
2	B1-3	7/13	0938		✓	Soil sample 3', B1	1	X	X	X	X				1 - 6" brass liner
3	B1-5	7/13	0945		✓	Soil sample 5', B1	1	X	X	X	X				"
4	B1-10	"	0955		✓	Soil sample 10', B1	1	X	X	X	X				"
5	B1-15	"	1005		✓	Soil sample 15', B1	1	X	X	X	X				"
6	B1-20	"	1015		✓	Soil sample 20, B1	1	X	X	X	X				"
7	B1-25	"	1025		✓	Soil sample 25', B1	1	X	X	X	X				"
8	B1-30	"	1040		✓	Soil sample 30', B1	1	X	X	X	X				"
9	B2-3	"	1122		✓	Soil sample 3', B2	1	X	X	X	X				"
10	B2-5	"	1130		✓	Soil sample 5', B2	1	X	X	X	X				"

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1-10	Scott Rice		7/16	
2					
3					
4					

REMARKS: to: Sequoia Analytical
Results by 7/27/90

SAMPLER'S SIGNATURE: Scott Rice

OHM

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 03/88

No. 49015

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: Josco
PROJECT LOCATION: Mountain View, CA
PROJ. NO.: 7403
PROJECT CONTACT: Scott Rice
PROJECT TELEPHONE NO.: 916 928 1819
CLIENT'S REPRESENTATIVE: Don Thomas
PROJECT MANAGER/SUPERVISOR: Scott Rice

ITEM NO	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	EPA 8010	EPA 8020	EPA 8015 (Low Boiling PH WC)	EPA 8015 (Alcohols + Acetone)					REMARKS
1	B2-10	7/13	1145		✓	Soil sample 10', B2	1	X	X	X	X					1-6" brass liner
2	B2-15	"	1150		✓	Soil Sample 15', B2	1	X	X	X	X					"
3	B2-20	"	1200		✓	Soil Sample 20', B2	1	X	X	X	X					"
4	B2-25	"	1208		✓	Soil Sample 25', B2	1	X	X	X	X					"
5	B2-30	"	1218		✓	Soil Sample 30', B2	1	X	X	X	X					"
6	EW3	"	1235		✓	Equip. Wash	4	X	X		X					4 VOA
7	B3-3	"	1330		✓	Soil Sample 3', B3	1	X	X	X	X					1-6" brass liner
8	B3-5	"	1336		✓	Soil Sample 5', B3	1	X	X	X	X					"
9	B3-10	"	1350		✓	Soil Sample 10', B3	1	X	X	X	X					"
10	B3-15	"	1358		✓	Soil Sample 15', B3	1	X	X	X	X					"

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1-10	Scott Rice		7/16	
2					
3					
4					

REMARKS: to: Sequoia Analytical
Results by 7/27/90

SAMPLER'S SIGNATURE: Scott Rice

A Subsidiary of Environmental Treatment and Technologies Corp.
The Environmental Services Company

TRANSFER 3

OHM

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 03/88

No. 49024

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: Jasco
PROJECT LOCATION: Mountain View, CA
PROJ. NO.: 7403
PROJECT CONTACT: Scott Rice
PROJECT TELEPHONE NO.: 916 928 1819
CLIENT'S REPRESENTATIVE: Don Thomas
PROJECT MANAGER/SUPERVISOR: Scott Rice

ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS): EPA 8010; EPA 8015 (Alcohols + Acetone); EPA 8015 (Low Boiling Pt HC); EPA 8020

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	EPA 8010	EPA 8015 (Alcohols + Acetone)	EPA 8015 (Low Boiling Pt HC)	EPA 8020				REMARKS
1	B3-20	7/13	1408		✓	Soil Sample 20', B3	1	X	X	X	X				1-6" brass liner
2	B3-25	"	1419		✓	Soil Sample 25', B3	1	X	X	X	X				"
3	B3-30	"	1430		✓	Soil Sample 30', B3	1	X	X	X	X				"
4	B4-5	7/14	0815		✓	Soil Sample 5', B4	1	X	X	X	X				"
5	B4-10	"	0820		✓	Soil Sample 10', B4	1	X	X	X	X				"
6	B4-15	"	0830		✓	Soil Sample 15', B4	1	X	X	X	X				"
7	B4-20	"	0840		✓	Soil Sample 20', B4	1	X	X	X	X				"
8	B4-25	"	0850		✓	Soil Sample 25', B4	1	X	X	X	X				"
9	B4-30	"	0900		✓	Soil Sample 30', B4	1	X	X	X	X				"
10	B4-20a	"	0840		✓	Soil Sample 35', B4	1	X	X	X	X				"

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1-10	Scott Rice		7/16	
2					
3					
4					

REMARKS: to: Sequoia Analytical
Results by 7/27/90

SAMPLER'S SIGNATURE: Scott Rice

OHM

CHAIN-OF-CUSTODY RECORD

Form 0019
Field Technical Services
Rev. 03/88

No. 49025

O.H. MATERIALS CORP. • P.O. BOX 551 • FINDLAY, OH 45839-0551 • 419-423-3526

PROJECT NAME: Jasco
PROJECT LOCATION: Mountain View, CA
PROJ. NO.: 7403
PROJECT CONTACT: Scott Rice
PROJECT TELEPHONE NO.: 916 928 1819
CLIENT'S REPRESENTATIVE: Don Thomas
PROJECT MANAGER/SUPERVISOR: Scott Rice

ANALYSIS DESIRED (INDICATE SEPARATE CONTAINERS): EPA 8010, EPA 8015 (Alcohols & Acetone), EPA 8015 (Low Boiling PH HC), EPA 8020

ITEM NO.	SAMPLE NUMBER	DATE	TIME	COMP	GRAB	SAMPLE DESCRIPTION (INCLUDE MATRIX AND POINT OF SAMPLE)	NUMBER OF CONTAINERS	EPA 8010	EPA 8015 (Alcohols & Acetone)	EPA 8015 (Low Boiling PH HC)	EPA 8020					REMARKS
1	EW4	7/14	0915		✓	Equip. Wash	4	X	X	X	X					4 VOA
2	B5-3	"	1134		✓	Soil Sample 3', B5	1	X	X	X	X					1 - 6" brass liner
3	B5-5	"	1150		✓	Soil Sample 5', B5	1	X	X	X	X					"
4	B5-10	"	1200		✓	Soil Sample 10', B5	1	X	X	X	X					"
5	B5-15	"	1210		✓	Soil Sample 15', B5	1	X	X	X	X					"
6	B5-20	"	1218		✓	Soil Sample 20', B5	1	X	X	X	X					"
7	B5-25	"	1225		✓	Soil Sample 25', B5	1	X	X	X	X					"
8	B5-30	"	1241		✓	Soil Sample 30', B5	1	X	X	X	X					"
9	B5-30a	"	1241		✓	Soil Sample 30.5', B5	1	X	X	X	X					"
10																

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	TRANSFERS ACCEPTED BY	DATE	TIME
1	1-9	Scott Rice		7/16	
2					
3					
4					

REMARKS: to: Sequoia Analytical
Results by 7/27/90

SAMPLER'S SIGNATURE: Scott Rice

A Subsidiary of Environmental Treatment and Technologies Corp.
The Environmental Services Company

TRANSFER 3

SEQUOIA ANALYTICAL
680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Matrix Descript:	Soil	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8015/8020	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	First Sample #:	007-2658	Reported:	Aug 2, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
007-2658	B1-3	2,600	N.D.	37	N.D.	11
007-2659	B1-5	6,700	N.D.	110	N.D.	37
007-2660	B1-10	170	N.D.	1.1	N.D.	0.87
007-2661	B1-15	1,300	N.D.	3.4	N.D.	5.5
007-2662	B1-20	120	N.D.	4.1	N.D.	2.6
007-2663	B1-25	380	N.D.	6.3	N.D.	5.9
007-2664	B1-30	38	N.D.	1.4	0.37	1.5
Detection Limits:		**20**	**0.10**	**0.20**	**0.20**	**0.20**

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Matrix Descript:	Soil	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8015/8020	Analyzed:	Jul 23, 1990
Attention: Dan Thomas	First Sample #:	007-2665	Reported:	Aug 2, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
007-2665	B2-3	N.D.	N.D.	23	N.D.	N.D.
007-2666	B2-5	N.D.	N.D.	N.D.	N.D.	N.D.
007-2667	B2-10	N.D.	N.D.	N.D.	N.D.	N.D.
007-2668	B2-15	2,800	N.D.	5.0	N.D.	10
007-2669	B2-20	1,300	N.D.	N.D.	N.D.	N.D.
007-2670	B2-25	2,600	N.D.	85	N.D.	38
007-2671	B2-30	N.D.	N.D.	18	N.D.	26
007-2672	B3-3	N.D.	N.D.	18	N.D.	N.D.
007-2673	B3-5	N.D.	N.D.	N.D.	N.D.	N.D.
007-2674	B3-10	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limits:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.0050**

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Matrix Descript:	Soil	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8015/8020	Analyzed:	Jul 24, 1990
Attention: Dan Thomas	First Sample #:	007-2675	Reported:	Aug 2, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
007-2675	B3-15	N.D.	N.D.	N.D.	N.D.	N.D.
007-2676	B3-20	N.D.	N.D.	N.D.	N.D.	N.D.
007-2677	B3-25	N.D.	N.D.	8.0	N.D.	N.D.
007-2678	B3-30	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limits:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.0050**

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

SEQUOIA ANALYTICAL
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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Matrix Descript:	Soil	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8015/8020	Analyzed:	Jul 24, 1990
Attention: Dan Thomas	First Sample #:	007-2679	Reported:	Aug 2, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
007-2679	B4-5	N.D.	N.D.	N.D.	N.D.	N.D.
007-2680	B4-10	N.D.	N.D.	N.D.	N.D.	N.D.
007-2681	B4-15	N.D.	N.D.	N.D.	N.D.	N.D.
007-2682	B4-20	N.D.	N.D.	N.D.	N.D.	N.D.
007-2683	B4-25	N.D.	N.D.	N.D.	N.D.	N.D.
007-2684	B4-30	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limits:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.0050**

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

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Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Matrix Descript:	Soil	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8015/8020	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	First Sample #:	007-2685	Reported:	Aug 2, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS with BTEX DISTINCTION (EPA 8015/8020)

Sample Number	Sample Description	Low/Medium B.P. Hydrocarbons mg/kg (ppm)	Benzene mg/kg (ppm)	Toluene mg/kg (ppm)	Ethyl Benzene mg/kg (ppm)	Xylenes mg/kg (ppm)
007-2685	B4-20a	N.D.	N.D.	N.D.	N.D.	N.D.
007-2686	B5-3	N.D.	N.D.	N.D.	N.D.	N.D.
007-2687	B5-5	N.D.	N.D.	N.D.	N.D.	N.D.
007-2688	B5-10	N.D.	N.D.	N.D.	N.D.	N.D.
007-2689	B5-15	N.D.	N.D.	N.D.	N.D.	N.D.
007-2690	B5-20	N.D.	N.D.	5.0	N.D.	N.D.
007-2691	B5-25	N.D.	N.D.	N.D.	N.D.	N.D.
007-2692	B5-30	N.D.	N.D.	N.D.	N.D.	N.D.
007-2693	B5-30a	N.D.	N.D.	10	N.D.	N.D.
Detection Limits:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.0050**

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

72658.JAS <5>

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript.:	Water, EW4	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/ 8015/8020	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2696	Reported:	Aug 2, 1990

TOTAL PETROLEUM FUEL HYDROCARBONS WITH BTEX DISTINCTION (EPA 8015/8020)

Analyte	Detection Limit µg/L (ppb)	Sample Results µg/L (ppb)
Low to Medium Boiling Point Hydrocarbons	30	N.D.
Benzene	0.30	N.D.
Toluene	0.30	N.D.
Ethyl Benzene	0.30	N.D.
Xylenes	0.30	N.D.

Low to Medium Boiling Point Hydrocarbons are quantitated against a gasoline standard.
Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-3	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2658	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	120
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	390
Total 1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	900
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	15,000
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

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(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-5	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	000-2659	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	380
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	1,700
Total 1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	65
1,1,1-Trichloroethane	50	61,000
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	50
Trichlorofluoromethane	50	N.D.
Vinyl chloride	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Maria Lee

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Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-10	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 23, 1990
Attention: Dan Thomas	Lab Number:	007-2660	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	25	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	25	N.D.
Chloroethane	125	N.D.
2-Chloroethylvinyl ether	25	N.D.
Chloroform	25	N.D.
Chloromethane	25	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	50	N.D.
1,3-Dichlorobenzene	50	N.D.
1,4-Dichlorobenzene	50	N.D.
1,1-Dichloroethane	25	38
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	25
Total 1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	50	750
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	25	N.D.
1,1,1-Trichloroethane	25	590
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	25	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-15	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2661	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	N.D.
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	170
Total 1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	52
1,1,1-Trichloroethane	50	5,300
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Maria Lee

Maria Lee
Project Manager

SEQUOIA ANALYTICAL

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(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2662	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	50	N.D.
Bromoform	50	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	720
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	240
Total 1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	4,200
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	6,800
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL

Maria Lee

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Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-25	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2663	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	50	N.D.
Bromoform	50	170
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	2,200
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	150
Total 1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	3,200
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	4,000
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-30	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 23, 1990
Attention: Dan Thomas	Lab Number:	007-2664	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	50	N.D.
Bromoform	50	110
Bromomethane	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	50	N.D.
Chloroethane	250	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	50	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	50	N.D.
1,2-Dichlorobenzene	100	N.D.
1,3-Dichlorobenzene	100	N.D.
1,4-Dichlorobenzene	100	N.D.
1,1-Dichloroethane	50	3,000
1,2-Dichloroethane	50	N.D.
1,1-Dichloroethene	50	N.D.
Total 1,2-Dichloroethene	50	N.D.
1,2-Dichloropropane	50	N.D.
cis-1,3-Dichloropropene	50	N.D.
trans-1,3-Dichloropropene	50	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	50	N.D.
Tetrachloroethene	50	N.D.
1,1,1-Trichloroethane	50	N.D.
1,1,2-Trichloroethane	50	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl chloride	100	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-3	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2665	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	20
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	99
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	15
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-5	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2666	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	16
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	52
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-10	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2667	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	36
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	140
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	16
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-15	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 23, 1990
Attention: Dan Thomas	Lab Number:	007-2668	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	110
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	30
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	270
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	95
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	7.3
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2669	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	63
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	710
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	52
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-25	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 23, 1990
Attention: Dan Thomas	Lab Number:	007-2670	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	19
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	410
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	36
Total 1,2-Dichloroethene	5.0	15
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	16
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-30	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2671	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-3	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 23, 1990
Attention: Dan Thomas	Lab Number:	007-2672	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	14
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-5	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2673	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-10	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2674	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-15	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2675	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2676	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-25	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 23, 1990
Attention: Dan Thomas	Lab Number:	007-2677	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-30	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2678	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-5	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2679	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	5.0
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-10	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2680	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	14
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-15	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2681	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	22
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	67
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2682	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	12
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	24
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-25	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2683	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	62
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	45
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	29
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-30	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2684	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	72
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	100
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-20a	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2685	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	69
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	30
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-3	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2686	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-5	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2687	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-10	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2688	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-15	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2689	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2690	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-25	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2691	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	10
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-30	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 23, 1990
Attention: Dan Thomas	Lab Number:	007-2692	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-30a	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2693	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	5.0	N.D.
Bromoform	5.0	N.D.
Bromomethane	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	5.0	N.D.
Chloroethane	25	N.D.
2-Chloroethylvinyl ether	5.0	N.D.
Chloroform	5.0	N.D.
Chloromethane	5.0	N.D.
Dibromochloromethane	5.0	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	5.0	N.D.
1,2-Dichloroethane	5.0	N.D.
1,1-Dichloroethene	5.0	N.D.
Total 1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	10	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl chloride	10	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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70298.JAS <10>

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Jasco	Client Project ID:	#7403	Sampled:	Jul 10, 1990
P.O. Drawer J	Sample Descript:	Water, Trip Blank	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2694	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	1.0	N.D.
Total 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	2.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Water, EW-3	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2695	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	1.0	N.D.
Total 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	2.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Water, EW-4	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8010	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2696	Reported:	Aug 2, 1990

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/L	Sample Results µg/L
Bromodichloromethane	1.0	N.D.
Bromoform	1.0	N.D.
Bromomethane	1.0	N.D.
Carbon tetrachloride	1.0	N.D.
Chlorobenzene	1.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethylvinyl ether	1.0	N.D.
Chloroform	0.50	N.D.
Chloromethane	0.50	N.D.
Dibromochloromethane	0.50	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,1-Dichloroethane	0.50	N.D.
1,2-Dichloroethane	0.50	N.D.
1,1-Dichloroethene	1.0	N.D.
Total 1,2-Dichloroethene	1.0	N.D.
1,2-Dichloropropane	0.50	N.D.
cis-1,3-Dichloropropene	5.0	N.D.
trans-1,3-Dichloropropene	5.0	N.D.
Methylene chloride	2.0	N.D.
1,1,2,2-Tetrachloroethane	0.50	N.D.
Tetrachloroethene	0.50	N.D.
1,1,1-Trichloroethane	0.50	N.D.
1,1,2-Trichloroethane	0.50	N.D.
Trichloroethene	0.50	N.D.
Trichlorofluoromethane	1.0	N.D.
Vinyl chloride	2.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-3	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2658	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	100	N.D.
Chlorobenzene	100	N.D.
1,4-Dichlorobenzene	200	N.D.
1,3-Dichlorobenzene	200	N.D.
1,2-Dichlorobenzene	200	N.D.
Ethyl Benzene	100	N.D.
Toluene	100	37,000
Xylene	100	11,000

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-5	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2659	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	100	N.D.
Chlorobenzene	100	N.D.
1,4-Dichlorobenzene	200	N.D.
1,3-Dichlorobenzene	200	N.D.
1,2-Dichlorobenzene	200	N.D.
Ethyl Benzene	100	N.D.
Toluene	100	110,000
Xylene	100	37,000

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-10	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 23, 1990
Attention: Dan Thomas	Lab Number:	007-2660	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	100	N.D.
Chlorobenzene	100	N.D.
1,4-Dichlorobenzene	200	N.D.
1,3-Dichlorobenzene	200	N.D.
1,2-Dichlorobenzene	200	N.D.
Ethyl Benzene	100	N.D.
Toluene	100	1,100
Xylene	100	870

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-15	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2661	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	100	N.D.
Chlorobenzene	100	N.D.
1,4-Dichlorobenzene	200	N.D.
1,3-Dichlorobenzene	200	N.D.
1,2-Dichlorobenzene	200	N.D.
Ethyl Benzene	100	N.D.
Toluene	100	3,400
Xylene	100	5,500

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2662	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	100	N.D.
Chlorobenzene	100	N.D.
1,4-Dichlorobenzene	200	N.D.
1,3-Dichlorobenzene	200	N.D.
1,2-Dichlorobenzene	200	N.D.
Ethyl Benzene	100	N.D.
Toluene	100	4,100
Xylene	100	2,600

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-25	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2663	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	100	N.D.
Chlorobenzene	100	N.D.
1,4-Dichlorobenzene	200	N.D.
1,3-Dichlorobenzene	200	N.D.
1,2-Dichlorobenzene	200	N.D.
Ethyl Benzene	100	N.D.
Toluene	100	6,300
Xylene	100	5,900

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-30	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 23, 1990
Attention: Dan Thomas	Lab Number:	007-2664	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	100	N.D.
Chlorobenzene	100	N.D.
1,4-Dichlorobenzene	200	N.D.
1,3-Dichlorobenzene	200	N.D.
1,2-Dichlorobenzene	200	N.D.
Ethyl Benzene	100	370
Toluene	100	1,400
Xylene	100	1,500

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-3	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2665	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	**5.0**	**23**
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-5	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2666	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-10	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2667	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco P.O. Drawer J Mountain View, CA 94042 Attention: Dan Thomas	Client Project ID: Sample Descript: Analysis Method: Lab Number:	#7403 Soil, B2-15 EPA 5030/8020 007-2668	Sampled: Received: Analyzed: Reported:	Jul 13, 1990 Jul 16, 1990 Jul 23, 1990 Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	5
Xylene	5.0	10

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2669	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-25	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 23, 1990
Attention: Dan Thomas	Lab Number:	007-2670	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	85
Xylene	5.0	38

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-30	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2671	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	18
Xylene	5.0	26

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-3	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 23, 1990
Attention: Dan Thomas	Lab Number:	007-2672	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	18
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-5	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2673	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-10	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2674	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-15	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2675	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2676	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-25	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 23, 1990
Attention: Dan Thomas	Lab Number:	007-2677	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	8
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-30	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2678	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-5	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2679	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-10	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2680	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-15	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2681	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2682	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-25	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2683	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-30	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 25, 1990
Attention: Dan Thomas	Lab Number:	007-2684	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-20a	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2685	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-3	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2686	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-5	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2687	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-10	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2688	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-15	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2689	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2690	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	10
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-25	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2691	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-30	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 23, 1990
Attention: Dan Thomas	Lab Number:	007-2692	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	N.D.
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-30a	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 20, 1990
Attention: Dan Thomas	Lab Number:	007-2693	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Benzene	5.0	N.D.
Chlorobenzene	5.0	N.D.
1,4-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,2-Dichlorobenzene	10	N.D.
Ethyl Benzene	5.0	N.D.
Toluene	5.0	10
Xylene	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-3	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2658	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	30	N.D.
Ethanol	60	N.D.
Isopropanol	30	76
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-5	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2659	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	15	N.D.
Ethanol	30	N.D.
Isopropanol	15	N.D.
Methanol	30	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-10	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2660	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	30	N.D.
Ethanol	60	N.D.
Isopropanol	30	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-15	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2661	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2662	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-25	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2663	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	30	N.D.
Ethanol	60	N.D.
Isopropanol	30	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B1-30	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2664	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-3	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2665	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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(415) 364-9600 • FAX (415) 364-9233

Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-5	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2666	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-10	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2667	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-15	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2668	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2669	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-25	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2670	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B2-30	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2671	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-3	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2672	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-5	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2673	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-10	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2674	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-15	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2675	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2676	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B3-25	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2677	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Soil, B30-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2678	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-5	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2679	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-10	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2680	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-15	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2681	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2682	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-25	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2683	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-30	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2684	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B4-20a	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2685	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-3	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2686	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-5	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2687	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-10	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2688	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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72674.JAS <16>

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-15	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2689	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-20	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2690	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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72674.JAS <18>

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-25	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2691	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-30	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2692	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Soil, B5-30a	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2693	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Acetone	0.5	N.D.
Ethanol	1.0	N.D.
Isopropanol	0.5	N.D.
Methanol	1.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Water, EW-3	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2695	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Chlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
Ethyl Benzene	0.50	N.D.
Toluene	0.50	N.D.
Xylene	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Water, Trip Blank	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2694	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Chlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
Ethyl Benzene	0.50	N.D.
Toluene	0.50	N.D.
Xylene	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Water, EW-4	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 5030/8020	Analyzed:	Jul 19, 1990
Attention: Dan Thomas	Lab Number:	007-2696	Reported:	Aug 2, 1990

AROMATIC VOLATILE ORGANICS (EPA 8020)

Analyte	Detection Limit µg/L	Sample Results µg/L
Benzene	0.50	N.D.
Chlorobenzene	1.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
Ethyl Benzene	0.50	N.D.
Toluene	0.50	N.D.
Xylene	0.50	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 14, 1990
P.O. Drawer J	Sample Descript:	Water, EW4	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2696	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 13, 1990
P.O. Drawer J	Sample Descript:	Water, EW3	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2695	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Jasco	Client Project ID:	#7403	Sampled:	Jul 10, 1990
P.O. Drawer J	Sample Descript:	Water, Travel Blank	Received:	Jul 16, 1990
Mountain View, CA 94042	Analysis Method:	EPA 8015 Modified	Analyzed:	Jul 27, 1990
Attention: Dan Thomas	Lab Number:	007-2694	Reported:	Aug 2, 1990

ACETONE & ALCOHOLS BY GAS CHROMATOGRAPHY (EPA 8015 Mod.)

Analyte	Detection Limit µg/L	Sample Results µg/L
Acetone	15	N.D.
Ethanol	50	N.D.
Isopropanol	20	N.D.
Methanol	60	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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