CENTER FOR ADVANCED FOOD TECHNOLOGY

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January 5, 2004

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EGCG Methods Development

We have developed an analytical method for the analysis of EGCG in tea extracts. The analytical method is based on high performance liquid chromatography with diode array, ultra-violet detection. We purchased an analytical reference standard of EGCG from Sigma Chemical Corporation for this methods development. Analytical validation included the following:

A calibration curve with a minimum of 5 data points was generated. The dynamic range of calibration was sufficient to encompass all of the data points of the study samples. The linearity of the curve was demonstrated based on the R-Squared value obtained from linear regression analysis. A minimum R-Squared value of 0.99 was obtained.

The limit of detection (LOD) of the method was documented based on a signal to noise ratio (s/n) of 3:1. The LOD was established to be 5 ppm (parts-per-million)

The limit of quantification (LOQ) based on a 10:1 s/n ratio was established. All measurements of authentic tea extracts was performed above the LOQ and within the dynamic range of calibration.
The LOQ was established to be 10 ppm (parts-per-million)

The analytical system precision was replicated using at least 4 analyses of a EGCG reference standard taken from the midpoint of the calibration curve. The mean, standard deviation and relative standard deviation (RSD) values for these measurements is reported. This reference standard was as a "Performance Evaluation Standard" throughout the assay. A minimum value of less than 10% RSD was obtained (actual value = 4.62%).

The analytical accuracy of the method was obtained by calculating backfits to the calibration curve using the performance evaluation standard. The data is expressed as % deviation from nominal calibration. The accuracy of calibration was maintained within two standard deviations from the curve throughout the assay.

An analytical method precision was documented by replicate extraction and analyses (at least 4) of an authentic tea sample run through the entire method. The mean, standard deviation and relative standard deviation (RSD) values for these measurements is reported. A minimum value of less than 10% RSD was obtained

The EGCG performance evaluation standard stock solution taken from the midpoint of the calibration curve was analyzed periodically in between analyses of authentic tea extracts to assess Between Batch Accuracy & Precision. The values for these measurements is provided.

Method analysis blanks were analyzed periodically to demonstrate a clean analytical baseline and to ensure no sample-to-sample cross contamination or "carry over".

The peak for EGCG from an authentic tea extract was analyzed by APCI negative ion HPLC-MS in order to obtain the confirmatory mass spectrum and to demonstrate that the peak is free of co-eluting interference. The APCI negative ion mass spectra of EGCG from the authentic extract and the reference standard is provided. (VG Platform II Mass Spectrometer)

The System Suitability (Chromatographic Resolution) as defined in USP <621> was calculated from EGCG and the nearest peak and/or internal standard peak on the HPLC chromatogram. A minimum R value of 1.0 was obtained. The system suitability was calculated and presented for each day the assay is conducted.

Six samples of green tea provided by you were analyzed for EGCG . We extracted the samples according to your protocol (12.5 grams of tea, twice extracted with 500 ml of boiling water) and then analyzed the extracts quantitatively for EGCG.

The authentic tea extracts were analyzed in replicate (at least 4 times) using the validated analytical method. The concentration data (Mean ± SD) for EGCG in each sample is provided.

Raw data from the project is included in this final report.

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September 29, 2003

Dr. William Franke
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PACKING SLIP

CONTENTS:

3	Deluxe TeaForHealth 250gm	(1, 2, 3)	Gold
2	Standard TeaForHealth 500gm	(B, C)	Green
1	Standard TeaForHealth 250gm	vac. (A)	Green

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Method for determination of EGCG in Green Tea

1. Purpose

To determine EGCG (Epigallocatechin gallate) content in brewed green tea

2. Materials

2.1 Standards

(-) Epigallocatechin gallate, Sigma Chemical Co.

2.2 Apparatus

- HPLC system: Varian 5500 HPLC equipped with a tertiary pumping system and a Varian 9065 Polychrome diode array detector;
- Column: Discovery C_{18} Column, 5um, 25cm×4.6mm;
- Calibrated analytical balance accurate to ±0.01g (for tea sample) and ±0.1mg (for EGCG standard);
- Sonicator;
- Volumetric flasks, sample vials, appropriate sizes;
- Syringes, BD 3ml 22G1 with Luer-lok tip;
- Filter: Acrodisc LC13 PVDF 0.45μm & Nylon 0.2μm filter, Gelman;
- Pipettes, assorted sizes.

2.3 Reagents:

- Water, HPLC grade, Fisher Scientific;
- Acetonitrile, HPLC grade, Fisher Scientific;
- Methanol, HPLC grade, Fisher Scientific;
- Acetic acid, Glacial, A.C.S grade, Fisher Scientific.

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RUTGERS

3. HPLC Conditions

3.1 Mobile Phase:

A: 0.1% acetic acid, 1% acetonitrile in water.

B: 0.1% acetic acid in acetonitrile.

C: 0.1% acetic acid in methanol.

3.2 Elution Program

Retention time (min)	A%	B%	C%	Flow (ml/min)
0.0	100	0	0	1.0
1.0	100	0	0	1.0
1.1	77	3	20	1.3
15	70	5	25	1.3
15.9	70	5	25	0.75
16.0	0	50	50	0.75
21.0	0	50	50	1.0
30.0	0	50	50	1.0
30.1	100	0	0	1.0
35.0	100	0	0	1.0

3.3 Detection Wavelength: 273nm.

3.4 Injection Volume: 20μl.

4. Preparation of Standards

4.1 EGCG stock standard solution

- Using calibrated analytical balance (±0.1mg) to accurately weigh 2.5mg of EGCG into a 1ml volumetric flask.
- Add 1ml methanol to dissolve the solids.
- The EGCG concentration of the prepared stock solution is 2.5mg/ml, or 2500ppm.
- Store the stock solution in the refrigerator when not in use.

4.2 EGCG working standards

- A series of working standards covering the expected range of concentration of EGCG in the samples were prepared by the dilution of stock solution with HPLC water. The concentration of EGCG range is from 50ppm to 800ppm.
- All of working standards were stored in the refrigerator when not in use.
- The standards for LOD and LOQ analysis were prepared by the dilution of 50ppm working standards with HPLC water. The concentration of EGCG range is from 1ppm to 10ppm.

5. Sample Preparation:

- Accurately weigh 12.50g tea leaf into a flask, add 500 ml boiling water, extract for 15 minutes, decant and extract the leaf again. The two extracts were combined and mixed well.
- 3ml of sample solution were taken and filtered with the 0.45μm PVDF filter and 0.2μm Nylon filter, respectively.
- The filtered solution was diluted one time with HPLC water. Thus the dilution factor is 2. This solution was finally injected for HPLC analysis.

6. Procedure

6.1 Prepare reference standard solutions and sample solutions.

6.2 Using HPLC water as the blank.

6.3 Make a single injection of the blank to check the carry-over. Make single injections of the reference standard solutions.

6.4 Prepare a calibration curve for EGCG using peak area vs. concentration (ppm). Perform linear regression analysis on the data.

6.5 Make a single injection of the blank to check carry-over again, and a single injection of working standard solution (400ppm) to check the in-between batches repeatability.

6.6 Make single injections of the sample solutions. Calculate the percent catechins.

7. Calculations

7.1 The concentration of EGCG in the extracted tea solutions:

$$\text{conc. of EGCG (ppm or mg/l)} = 2\times \frac{(\text{P. area} + 32279)}{1333.8}$$

where P. area is the peak area of EGCG in sample solution.

2 is the dilution factor.

7.2 The % EGCG in tea sample:

$$\%\ \text{w/w EGCG} = (C\times 1L)/(W\times 1000\text{mg/g})$$

where C is the concentration of EGCG in sample solution (mg/l)

W is the weight of tea leaf for sample preparation (g)

Analysis of Tea Extracts for Epigallocatechin Gallate (EGCG) Including Analytical Method Validation

1. HPLC method

Mobile phase:
A: 0.1% acetic acid, 1% acetonitrile in water
B: 0.1% acetic acid in acetonitrile
C: 0.1% acetic acid in methanol

Elution program

Time (min)	A%	B%	C%	Flow (ml/min)
0	100	0	0	1
1	100	0	0	1
1.1	77	3	20	1.3
15	70	5	25	1.3
15.9	70	5	25	0.75
16	0	50	50	0.75
21	0	50	50	1
30	0	50	50	1
30.1	100	0	0	1
35	100	0	0	1

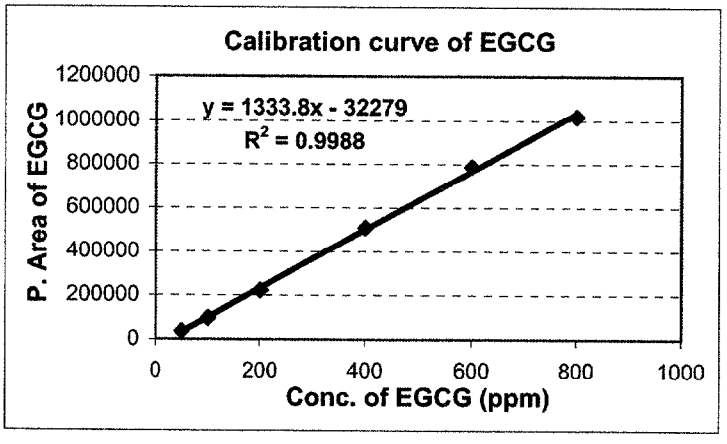
Column: Discovery C18 column, 2 25cm*4.6cm, 5um

Detection wavelength: 273nm

HPLC system: Varian 5500 HPLC equipped with a terminary pumping system and a Varian 9065 Polychrom diode array detector.

2. Calibration curve of EGCG

Data file	EGCG Conc. ppm	P. Area of EGCG	Ave. P. Area of EGCG
std-50ppm-1	50	33594	37195
std-50ppm-2		40796	
std-100ppm-1	100	102356	97483.5
std-100ppm-2		92611	
std-200ppm-1	200	213270	222815.5
std-200ppm-2		232361	
std-400ppm-1	400	499485	509195
std-400ppm-2		518905	
std-600ppm-1	600	811343	789417
std-600ppm-2		767491	
std-800ppm-1	800	990295	1017981
std-800ppm-2		1045667	



Calibr. curve regression outpput	
Constact	-32279
X coefficient	1333.8
R squared	0.9988
No. of observations	6

3. Limit of Detection (LOD) of EGCG based on a signal to noise ratio (S/N) of 3:1.

Data file	P. Height	N. Height	S/N
std-5ppm-1	6.4cm	2.0cm	3.2
std-5ppm-3	7.4cm	2.4cm	3.1
std-5ppm	3.3cm	1.2cm	2.8
Ave. S/N			3

So the LOD of EGCG for this method is **5ppm**.

4. Limit of Quantification (LOQ) based on a 10:1 S/N ratio.

Data file	P. Height	N. Height	S/N
std-10ppm-1	12.0cm	1.3cm	9.3
std-10ppm-2	12.3cm	1.2cm	10.3
std-10ppm-3	12.5cm	1.2cm	10.4
Ave. S/N			10

So the LOQ of EGCG for this method is **10ppm**.

5. Analytical accuracy and precision data for 400ppm EGCG calibration std.

Data file	EGCG conc. ppm	P. Area	Calc. Conc EGCG, ppm	Precision data (n=6)	% Dev. Calib.
std-400ppm-12-5-1	400	480968	384.8		-3.8
std-400ppm-12-5-2	400	445904	358.5		-10.4
std-400ppm-12-5-3	400	464570	372.5		-6.87
std-400ppm-12-5-4	400	465094	372.9		-6.78
std-400ppm-12-5	400	488779	390.7		-2.3
std-400ppm-12-5-6	400	513733	409.4		2.3

Mean calc. conc. of EGCG (ppm): **381.5ppm**
Standard Deviation: **17.6**
Relative Standard Deviation %: **4.62**
Mean % Deviation from calib. Curve: **-4.64**

Since the accuracy of calibration will be maintained within two standard deviations from the curve throughout the assay, the following calc. conc.of EGCG for reference standard should be within the range of 381.5+/-35.2 ppm, that is 346.3--416.7ppm.

6. Between batch accuracy and precision measurements:

Data file	EGCG conc. ppm	P. Area	Calc. Conc EGCG, ppm	Precision data (n=7)	% Dev. Calib.	Date
std-400ppm-12-16	400	469092	375.9		-6.0	12/16/2003
std-400ppm-12-17	400	445858	358.5		-10.4	12/17/2003
std-400ppm-12-17-2	400	450065	361.6		-9.6	12/17/2003
std-400ppm-12-18	400	456713	366.6		-8.3	12/18/2003
std-400ppm-12-19	400	468320	375.3		-6.2	12/19/2003
std-400ppm-12-22	400	460582	369.5		-7.6	12/22/2003
std-400ppm-12-24	400	429773	346.4		-13.4	12/24/2004

Mean calc. conc. of EGCG (ppm): **364.8ppm**
Standard Deviation: **10.4**
Relative Standard Deviation %: **2.85**
Mean % Deviation from calib. Curve: **-8.78**

7. System suitability (Chromatographic resolution USP<621>):
Resolution = (r.t. EGCG - r.t. Caffeine)/(halfwidth EGCG + halfwidth Caffeine)

Data file	HPLC r. t. (s) EGCG	HPLC r. t. (s) Caffeine	HPLC halfwidth (s) EGCG	HPLC halfwidth (s) Caffeine	Re	Date
#1tea-12-16-6	673	626	9	7.2	2.9	12/16/2003
#2tea-12-17-5	675	627	9.7	7.5	2.8	12/17/2003
#3tea-12-17-4	672	625	9.1	7.4	2.9	12/17/2003
A-tea-6	690	643	9.5	8	2.7	12/19/2003
B-tea-3	655	610	9.5	7.7	2.6	12/18/2003
C-tea-6	673	624	10	8	2.7	12/22/2003

Minimum value Re=1 is required for assay

8. Method analysis blanks were analyzed periodically, no carry over founded.

9. The peak of EGCG from tea extract was analyzed by HPLC-APCI/MS

Data file	APCI mode	r. t. (min)	Main peaks
EGCG std	negative	8.57	457 [M-H], 440.1 [M-H2O], 288.2, 169.1
Tea samp.	negative	8.75	457 [M-H], 440.1 [M-H2O], 288.2, 169.1

Comparing of EGCG Mass spectrum between EGCG std. and tea extract, almost all of peaks are matched, which confirmed that the peak is free of co-eluting interference.

10. Tea sample extract analysis
Extract procedure:
12.5g of tea, twice extracted with 500ml of boiling water. The two extracts were combined. 3ml were taken and filtered twoice. Then the filtered solution was diluted one time by HPLC water.

a. #1 tea (n=5)

Data file	weight of tea (g)	r. t. (min)	P. area	calc. conc. of dil. Sol.	calc. conc. of orig. sol.	Re	%EGCG in tea
#1tea-12-16-6	12.56	11.223	674465	530ppm	1060ppm	2.94	8.44
#1tea-12-16-5	12.51	11.07	621902	490ppm	981ppm	2.65	7.84
#1tea-12-16-4	12.5	10.991	642071	506ppm	1012ppm	2.84	8.09
#1tea-12-16-3	12.5	11.096	698902	548ppm	1096ppm	2.88	8.77
#1tea-12-16-2	12.49	11.21.	601448	475ppm	950ppm	2.9	7.61

Mean EGCG Conc. in original solution: **1020ppm** Mean %EGCG in tea: **8.15**
Standard Deviation: **58.9** S. D.: **0.46**
Relative Standard Deviation: **5.77%** R.S.D.: **5.69%**
So the concentration of EGCG in #1 tea sample solution is: **1020+/-58.9ppm**
the %EGCG in #1 tea sample is: **8.15+/-0.46**

b. #2 tea (n=5)

Data file	weight of tea (g)	r. t. (min)	P. area	calc. conc. of dil. Sol.	calc. conc. of orig. sol.	Re	%EGCG in tea
#2tea-12-17-5	12.49	11.243	624650	493ppm	985ppm	2.76	7.89
#2tea-12-17-4	12.55	11.044	617247	487ppm	974ppm	2.67	7.76
#2tea-12-17-3	12.49	11.121	600238	474ppm	948ppm	2.63	7.59
#2tea-12-17-2	12.5	11.104	567526	450ppm	900ppm	2.71	7.2
#2tea-12-17-1	12.55	11.281	604358	477ppm	955ppm	2.83	7.61

Mean EGCG Conc. in original solution: **952ppm** Mean %EGCG in tea: **7.61**
Standard Deviation: **33.0** S. D.: **0.26**
Relative Standard Deviation: **3.47%** R.S.D.: **3.41%**
So the concentration of EGCG in #1 tea sample solution is: **952+/-33.0ppm**
the %EGCG in #1 tea sample is: **7.61+/-0.26**

c. #3 tea (n=5)

Data file	weight of tea (g)	r. t. (min)	P. area	calc. conc. of dil. Sol.	calc. conc. of orig. sol.	Re	%EGCG in tea
#3tea-12-17-5	12.51	11.348	665142	523ppm	1046ppm	2.92	8.36
#3tea-12-17-4	12.52	11.204	666461	524ppm	1048ppm	2.89	8.37
#3tea-12-17-3	12.52	11.071	693875	544ppm	1089ppm	2.66	8.7
#3tea-12-17-2	12.5	11.35	650033	511ppm	1023ppm	2.82	8.18
#3tea-12-17-1	12.55	10.973	589436	466ppm	932ppm	2.93	7.43

Mean EGCG Conc. in original solution: **1027ppm** Mean %EGCG in tea: **8.21**
Standard Deviation: **58.3** S. D.: **0.47**
Relative Standard Deviation: **5.68%** R.S.D.: **5.77%**
So the concentration of EGCG in #1 tea sample solution is: **1027+/-58.3ppm**
the %EGCG in #1 tea sample is: **8.21+/-0.47**

d. A tea (n=5)

Data file	weight of tea (g)	r. t. (min)	P. area	calc. conc. of dil. Sol.	calc. conc. of orig. sol.	Re	%EGCG in tea
A-tea-6	12.5	11.502	722648	566ppm	1132ppm	2.69	9.05
A-tea-5	12.49	11.148	806824	629ppm	1258ppm	2.65	10.07
A-tea-4	12.5	10.854	765216	598ppm	1196ppm	2.5	9.57
A-tea-3	12.51	11.016	678810	533ppm	1066ppm	2.57	8.52
A-tea-2	12.51	11.02	722276	566ppm	1131ppm	2.44	9.04

Mean EGCG Conc. in original solution: **1157ppm** Mean %EGCG in tea: **9.25**
Standard Deviation: **72.9** S. D.: **0.59**
Relative Standard Deviation: **6.30%** R.S.D.: **6.38%**
So the concentration of EGCG in #1 tea sample solution is: **1157+/-72.9ppm**
the %EGCG in #1 tea sample is: **9.25+/-0.59**

e. B tea (n=5)

Data file	weight of tea (g)	r. t. (min)	P. area	calc. conc. of dil. Sol.	calc. conc. of orig. sol.	Re	%EGCG in tea
B-tea-5	12.51	11.154	709585	556ppm	1112ppm	2.71	8.89
B-tea-4	12.49	10.856	783755	612ppm	1224ppm	2.56	9.8
B-tea-3	12.55	10.921	681271	535ppm	1070ppm	2.64	8.53
B-tea-2	12.5	11.141	757521	592ppm	1184ppm	2.53	9.47
B-tea-1	12.5	10.315	638536	503ppm	1006ppm	2.55	8.05

Mean EGCG Conc. in original solution: **1119ppm** Mean %EGCG in tea: **8.95**
Standard Deviation: **87.2** S. D.: **0.70**
Relative Standard Deviation: **7.80%** R.S.D.: **7.87%**
So the concentration of EGCG in #1 tea sample solution is: **1119+/-87.2ppm**
the %EGCG in #1 tea sample is: **8.95+/-0.70**

f. C tea (n=5)

Data file	weight of tea (g)	r. t. (min)	P. area	calc. conc. of dil. Sol.	calc. conc. of orig. sol.	Re	%EGCG in tea
C-tea-6	12.52	11.216	729996	571ppm	1143ppm	2.73	9.13
C-tea-4	12.55	11.147	692392	543ppm	1087ppm	2.87	8.66
C-tea-3	12.49	11.14	614648	485ppm	970ppm	2.72	7.77
C-tea-2	12.51	11.015	615369	486ppm	971ppm	2.63	7.76
C-tea-1	12.51	11.224	694110	545ppm	1089ppm	2.83	8.71

Mean EGCG Conc. in original solution: **1052ppm** Mean %EGCG in tea: **8.41**
Standard Deviation: **77.7** S. D.: **0.61**
Relative Standard Deviation: **7.38%** R.S.D.: **7.29%**
So the concentration of EGCG in #1 tea sample solution is: **1052+/-77.7ppm**
the %EGCG in #1 tea sample is: **8.41+/-0.61**

Calibration curve

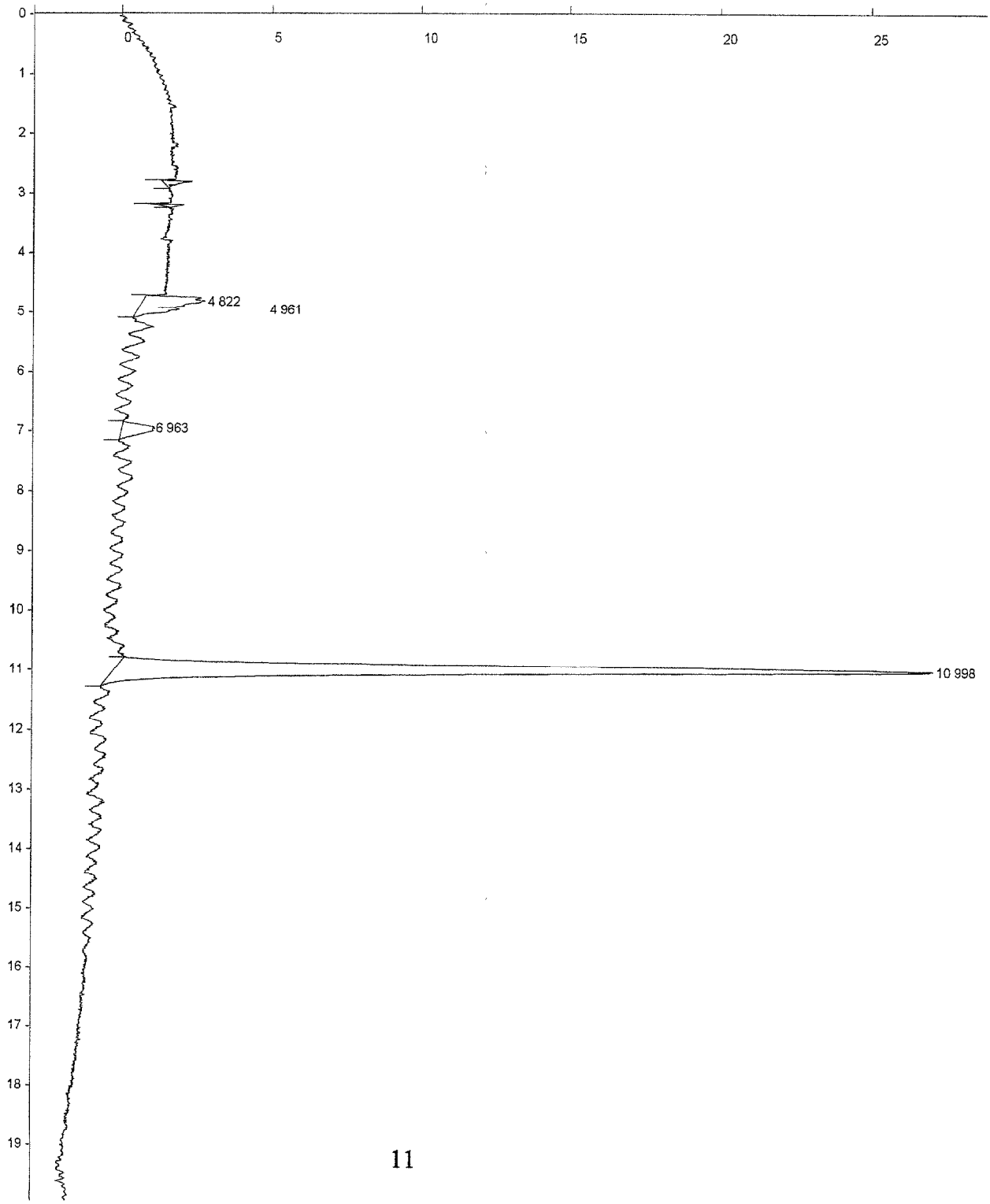
Title :
Run File : D:\Limian\EGCG\std-50ppm-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-50ppm-1

Injection Date: 12/3/2003 2:39 PM Calculation Date: 12/3/2003 2:59 PM

Operator : limian Detector Type: 9065
Workstation: Bus Address : 4
Instrument : VARIAN 9065 Sample Rate : 2.71 Hz
Channel : 18 = 273 nm Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 27 Zero Offset = 8%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Print Date: Thu Jan 22 15:41:20 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-50ppm-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-50ppm-1

Injection Date: 12/3/2003 2:39 PM Calculation Date: 12/3/2003 2:59 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		6.5313	4.822	0.000	2514	BV	9.1	
2		2.5151	4.961	0.000	968	VB	0.0	
3		3.6863	6.963	0.000	1419	BB	9.3	
4		87.2672	10.998	0.000	33594	BB	8.4	
	Totals:	99.9999		0.000	38495			

Total Unidentified Counts : 38495 counts

Detected Peaks: 6 Rejected Peaks: 2 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 481 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 450 microAU

Manual injection

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Print Date: Thu Jan 22 15:43:39 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-50ppm-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-50ppm-2

Injection Date: 12/3/2003 3:06 PM Calculation Date: 12/3/2003 3:26 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		1.1918	3.203	0.000	532	BB	0.0	
2		2.1679	4.759	0.000	968	BV	3.5	
3		5.2723	4.838	0.000	2354	VB	0.0	
4		91.3680	10.951	0.000	40796	BB	8.7	
	Totals:	100.0000		0.000	44650			

Total Unidentified Counts : 44651 counts

Detected Peaks: 5 Rejected Peaks: 1 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 443 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 389 microAU

Manual injection

****

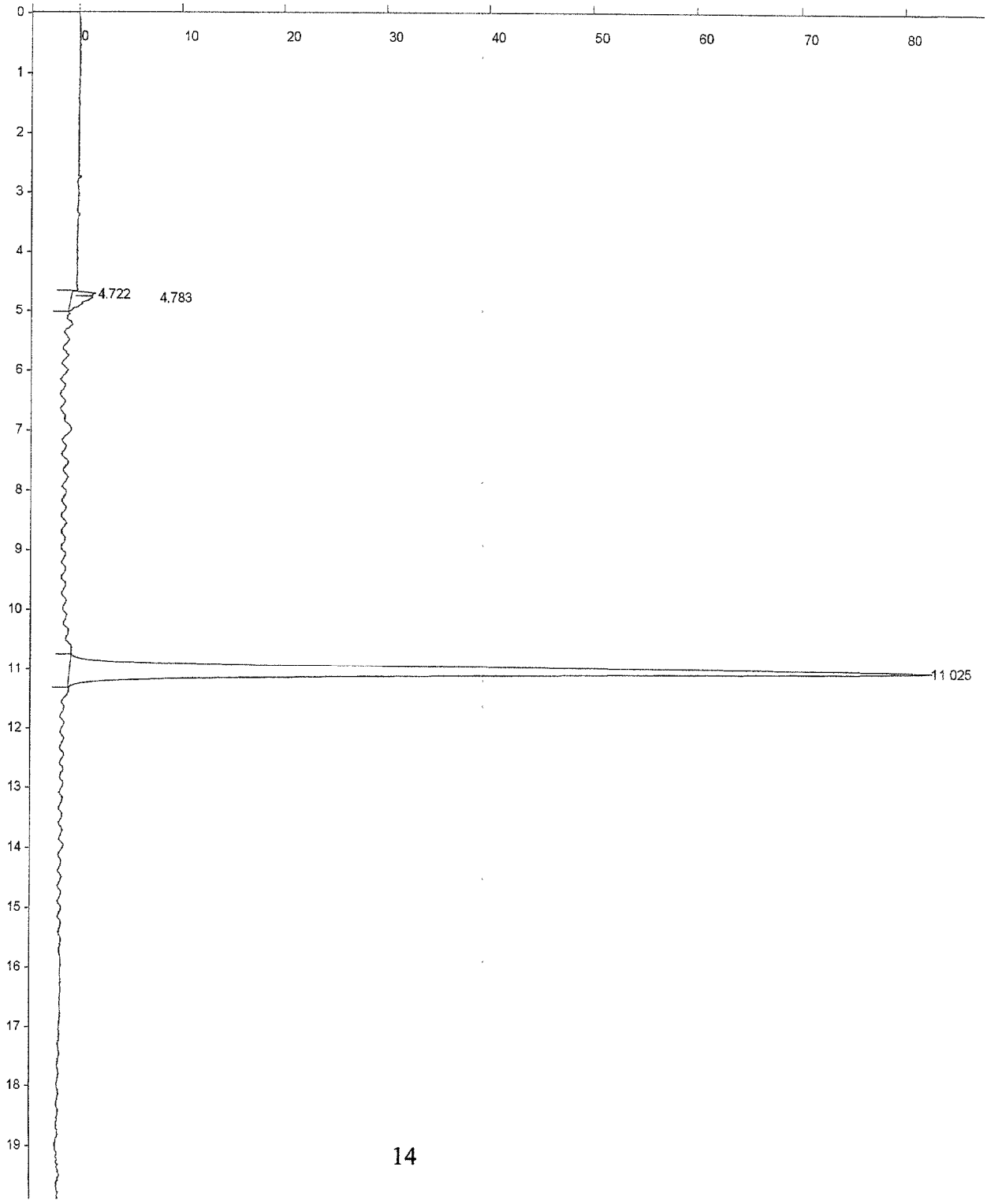
Title :
Run File : D:\Limian\EGCG\std-100ppm-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-100ppm-1

Injection Date: 12/3/2003 3:32 PM Calculation Date: 12/3/2003 3:52 PM

Operator : limian Detector Type: 9065
Workstation: Bus Address : 4
Instrument : VARIAN 9065 Sample Rate : 2.71 Hz
Channel : 18 = 273 nm Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 80 Zero Offset = 4%
Start Time = 0.000 min End Time = 19.980 min Min / Tick = 1.00



Print Date: Thu Jan 22 15:44:08 2004

Title :
Run File : D:\Limian\EGCG\std-100ppm-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-100ppm-1

Injection Date: 12/3/2003 3:32 PM Calculation Date: 12/3/2003 3:52 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		1.0992	4.722	0.000	1163	BV	3.2	
2		2.1272	4.783	0.000	2250	VB	9.4	
3		96.7735	11.025	0.000	102356	BB	8.6	
	Totals:	99.9999		0.000	105769			

Total Unidentified Counts : 105769 counts

Detected Peaks: 3 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 198 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 175 microAU

Manual injection

****

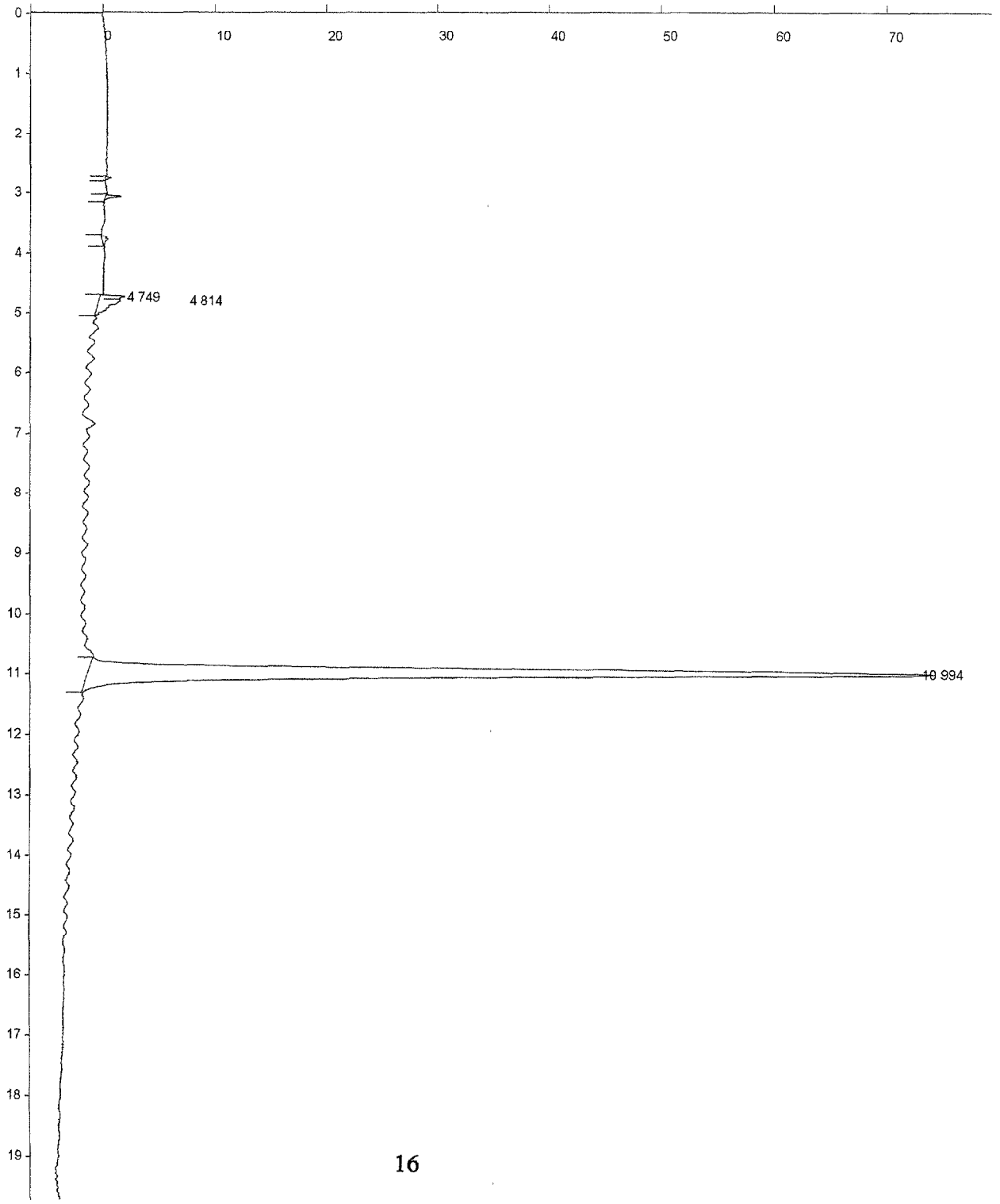
Title :
Run File : D:\Limian\EGCG\std-100ppm-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-100ppm-2

Injection Date: 12/3/2003 3:55 PM Calculation Date: 12/3/2003 4:16 PM

Operator : limian Detector Type: 9065
Workstation: Bus Address : 4
Instrument : VARIAN 9065 Sample Rate : 2.71 Hz
Channel : 18 = 273 nm Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 74 Zero Offset = 7%
Start Time = 0.000 min End Time = 19.980 min Min / Tick = 1.00



Print Date: Thu Jan 22 15:44:40 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-100ppm-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-100ppm-2

Injection Date: 12/3/2003 3:55 PM Calculation Date: 12/3/2003 4:16 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		1.0820	4.749	0.000	1037	BV	2.8	
2		2.2505	4.814	0.000	2156	VB	9.0	
3		96.6674	10.994	0.000	92611	BB	8.4	
	Totals:	99.9999		0.000	95804			

Total Unidentified Counts : 95804 counts

Detected Peaks: 6 Rejected Peaks: 3 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 343 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 495 microAU

Manual injection

****

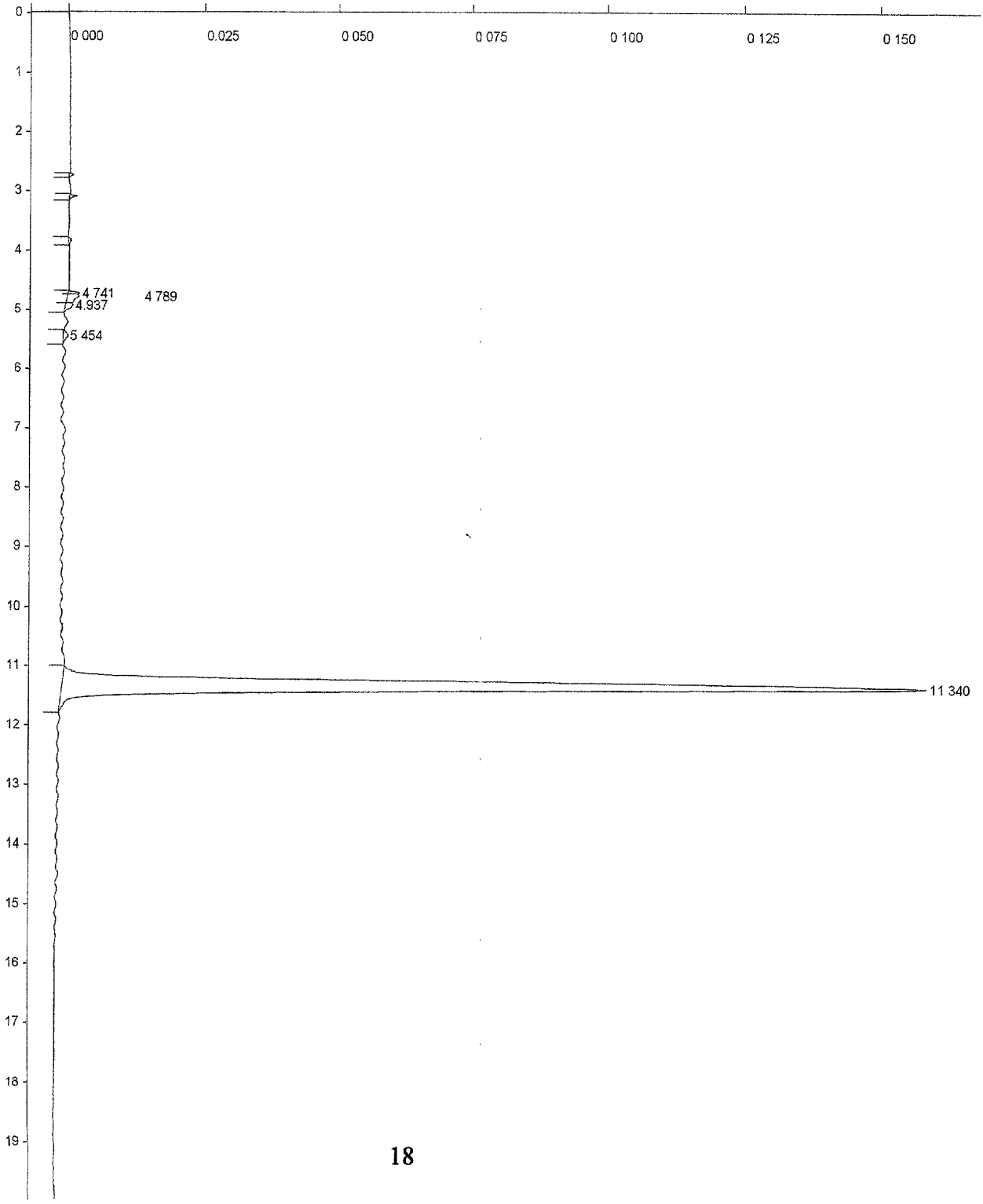
Title :
Run File : D:\Limian\EGCG\std-200ppm-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-200ppm-1

Injection Date: 12/4/2003 6:25 PM Calculation Date: 12/4/2003 6:45 PM

Operator : limian Detector Type: 9065
Workstation: Bus Address : 4
Instrument : VARIAN 9065 Sample Rate : 2.71 Hz
Channel : 18 = 273 nm Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 152 Zero Offset = 3%
Start Time = 0.000 min End Time = 19.980 min Min / Tick = 1.00



Print Date: Thu Jan 22 15:46:08 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-200ppm-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-200ppm-1

Injection Date: 12/4/2003 6:25 PM Calculation Date: 12/4/2003 6:45 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.3266	4.741	0.000	711	BV	2.8	
2		0.8165	4.789	0.000	1777	VV	7.6	
3		0.4685	4.937	0.000	1019	VB	0.0	
4		0.3725	5.454	0.000	811	BB	5.9	
5		98.0158	11.340	0.000	213270	BB	9.4	
	Totals:	99.9999		0.000	217588			

Total Unidentified Counts : 217588 counts

Detected Peaks: 8 Rejected Peaks: 3 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 69 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 259 microAU

Manual injection

****

Print Date: Thu Jan 22 15:46:47 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-200ppm-2001.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-200ppm-2

Injection Date: 12/4/2003 6:52 PM Calculation Date: 12/4/2003 7:12 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.9666	4.854	0.000	2280	BV	9.5	
2		0.5257	5.004	0.000	1240	VB	0.0	
3		98.5077	11.423	0.000	232361	BB	9.3	
	Totals:	100.0000		0.000	235881			

Total Unidentified Counts : 235881 counts

Detected Peaks: 6 Rejected Peaks: 3 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 694 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 442 microAU

Manual injection

****

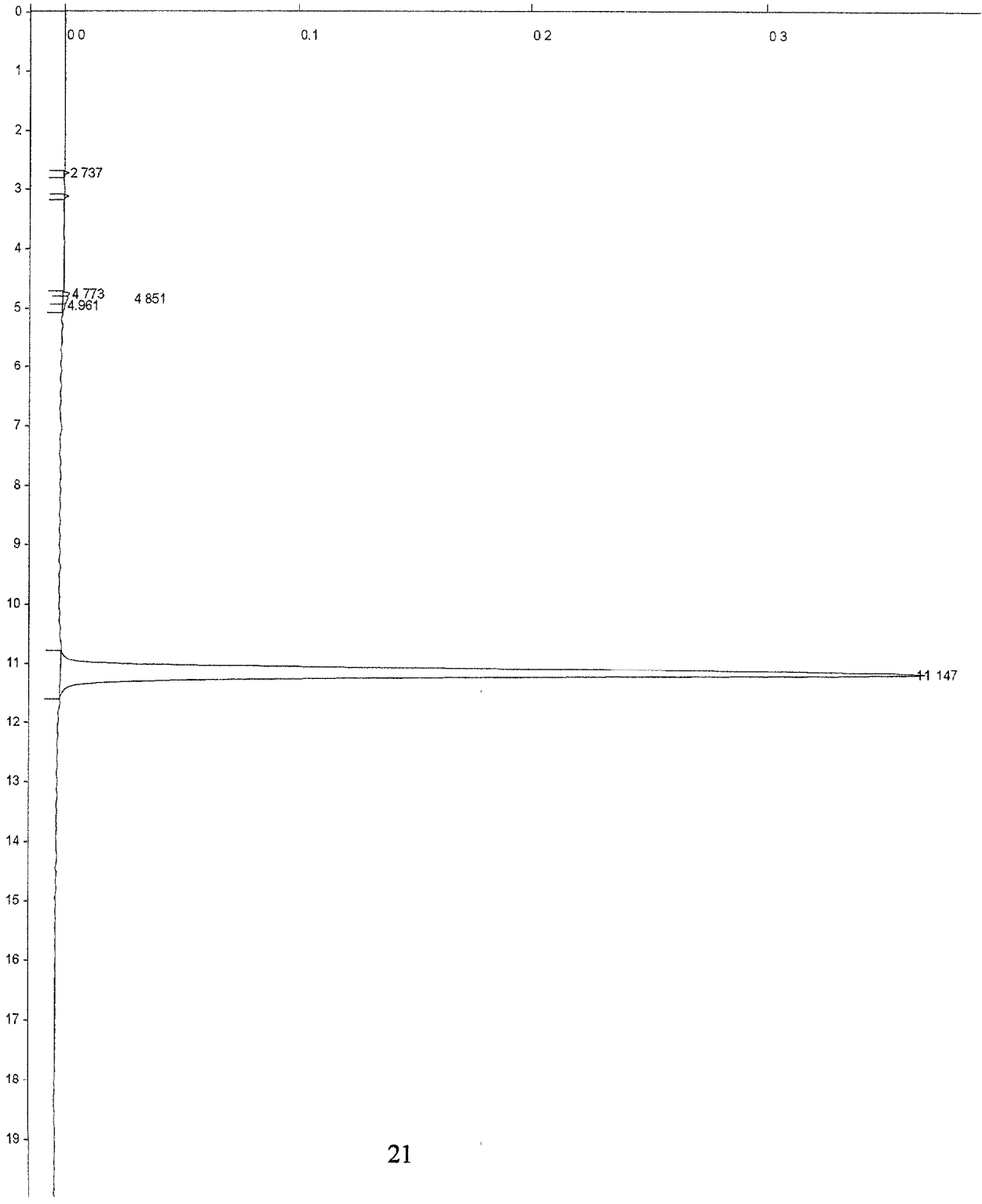
Title :
Run File : D:\Limian\EGCG\std-400ppm-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-1

Injection Date: 12/4/2003 3:00 PM Calculation Date: 12/4/2003 3:20 PM

Operator : limian Detector Type: 9065
Workstation: Bus Address : 4
Instrument : VARIAN 9065 Sample Rate : 2.71 Hz
Channel : 18 = 273 nm Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 352 Zero Offset = 3%
Start Time = 0.000 min End Time = 19.980 min Min / Tick = 1.00



Print Date: Thu Jan 22 15:47:38 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-400ppm-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-1

Injection Date: 12/4/2003 3:00 PM Calculation Date: 12/4/2003 3:20 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.1066	2.737	0.000	537	BB	1.6	
2		0.2630	4.773	0.000	1324	BV	2.9	
3		0.3125	4.851	0.000	1574	VV	9.4	
4		0.1220	4.961	0.000	614	VB	0.0	
5		99.1959	11.147	0.000	499485	BB	9.5	
	Totals:	100.0000		0.000	503534			

Total Unidentified Counts : 503534 counts

Detected Peaks: 6 Rejected Peaks: 1 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 175 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 213 microAU

Manual injection

****

Print Date: Thu Jan 22 15:48:04 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-400pm-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400pm-2

Injection Date: 12/4/2003 3:25 PM Calculation Date: 12/4/2003 3:45 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.2415	4.738	0.000	1267	BV	2.7	
2		0.4085	4.808	0.000	2142	VB	8.6	
3		0.1483	5.468	0.000	778	BB	0.0	
4		0.2646	7.076	0.000	1388	BB	8.7	
5		98.9371	11.314	0.000	518905	BB	8.4	
	Totals:	100.0000		0.000	524480			

Total Unidentified Counts : 524480 counts

Detected Peaks: 8 Rejected Peaks: 3 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 0 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 152 microAU

Manual injection

****

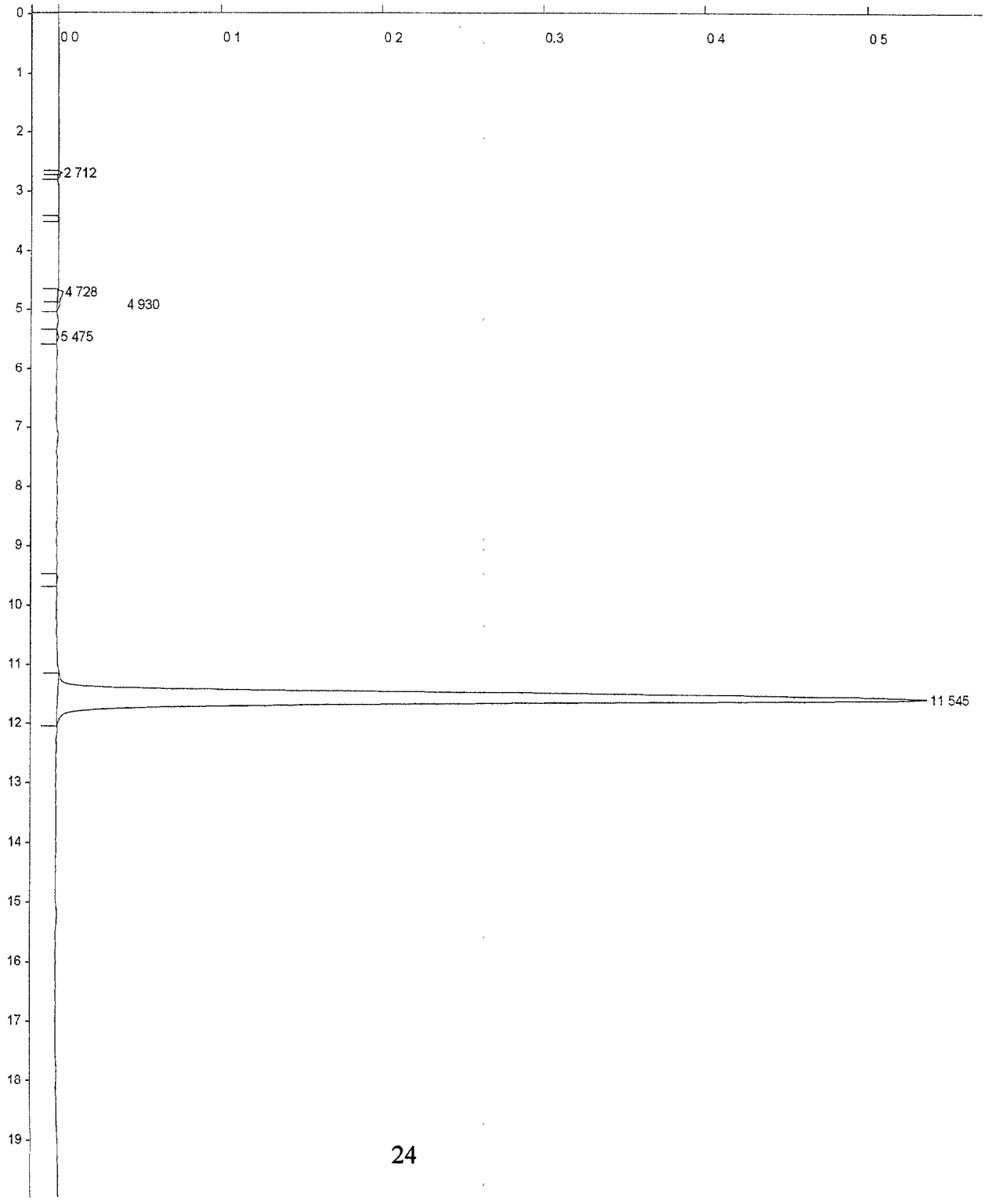
Title :
Run File : D:\Limian\EGCG\std-600ppm-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-600ppm-1

Injection Date: 12/4/2003 4:36 PM Calculation Date: 12/4/2003 4:56 PM

Operator : limian Detector Type: 9065
Workstation: Bus Address : 4
Instrument : VARIAN 9065 Sample Rate : 2.71 Hz
Channel : 18 = 273 nm Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 509 Zero Offset = 2%
Start Time = 0.000 min End Time = 19.980 min Min / Tick = 1.00



Print Date: Thu Jan 22 15:49:16 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-600ppm-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-600ppm-1

Injection Date: 12/4/2003 4:36 PM Calculation Date: 12/4/2003 4:56 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.0658	2.712	0.000	537	BV	1.8	
2		0.3733	4.728	0.000	3048	BV	7.2	
3		0.1106	4.930	0.000	903	VB	0.0	
4		0.0993	5.475	0.000	811	BB	4.0	
5		99.3510	11.545	0.000	811343	BB	10.8	
	Totals:	100.0000		0.000	816642			

Total Unidentified Counts : 816643 counts

Detected Peaks: 8 Rejected Peaks: 3 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 23 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 205 microAU

Manual injection

****

Print Date: Thu Jan 22 15:49:49 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-600ppm-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-600ppm-2

Injection Date: 12/4/2003 4:12 PM Calculation Date: 12/4/2003 4:32 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.0986	2.729	0.000	761	BP	2.0	
2		0.0653	3.837	0.000	504	BB	2.2	
3		0.2927	4.631	0.000	2261	BV	7.9	
4		0.2022	4.783	0.000	1562	VB	0.0	
5		99.3413	11.297	0.000	767491	BB	10.2	
	Totals:	100.0001		0.000	772579			

Total Unidentified Counts : 772580 counts

Detected Peaks: 7 Rejected Peaks: 2 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -22 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 259 microAU

Manual injection

****

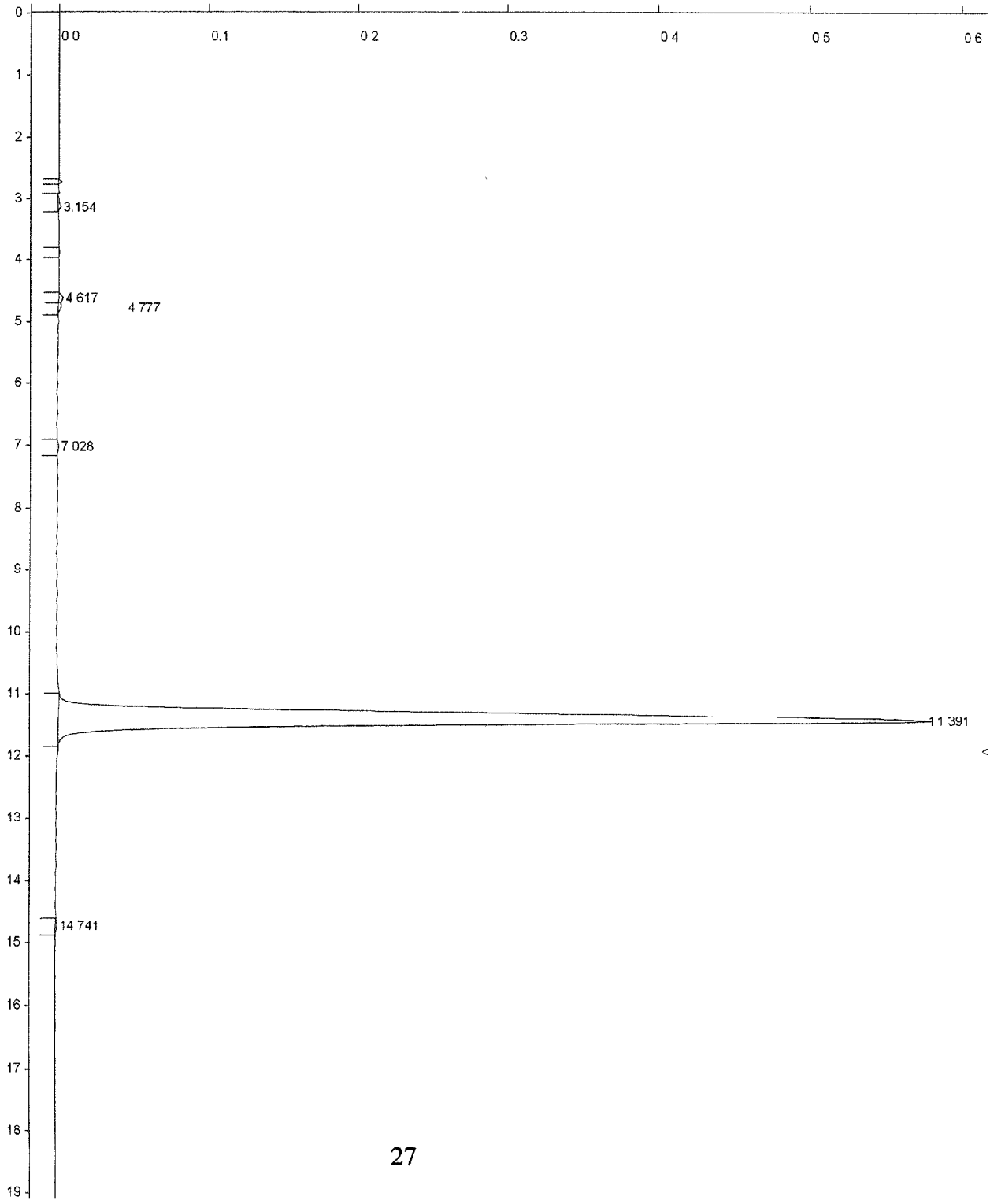
Title :
Run File : D:\Limian\EGCG\std-800ppm-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-800ppm-1

Injection Date: 12/4/2003 4:58 PM Calculation Date: 12/4/2003 5:17 PM

Operator : limian Detector Type: 9065
Workstation: Bus Address : 4
Instrument : VARIAN 9065 Sample Rate : 2.71 Hz
Channel : 18 = 273 nm Run Time : 19.193 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 1.03 cm/min Attenuation = 552 Zero Offset = 2%
Start Time = 0.000 min End Time = 19.190 min Min / Tick = 1.00



Print Date: Thu Jan 22 15:50:46 2004

Title :
Run File : D:\Limian\EGCG\std-800ppm-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-800ppm-1

Injection Date: 12/4/2003 4:58 PM Calculation Date: 12/4/2003 5:17 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.193 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.1855	3.154	0.000	1851	BB	5.3	
2		0.2234	4.617	0.000	2230	BV	7.0	
3		0.1456	4.777	0.000	1453	VB	0.0	
4		0.1096	7.028	0.000	1094	BB	0.0	
5		99.2353	11.391	0.000	990295	BB	12.2	
6		0.1005	14.741	0.000	1003	BB	6.4	
	Totals:	99.9999		0.000	997926			

Total Unidentified Counts : 997926 counts

Detected Peaks: 8 Rejected Peaks: 2 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 107 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 167 microAU

****

Print Date: Thu Jan 22 15:51:13 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-800ppm-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-800ppm-2

Injection Date: 12/4/2003 6:03 PM Calculation Date: 12/4/2003 6:23 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.0566	2.977	0.000	595	BP	2.0	
2		0.1899	4.921	0.000	1996	BV	6.6	
3		0.1045	5.047	0.000	1099	VB	0.0	
4		0.2032	7.266	0.000	2137	BB	7.6	
5		99.4458	11.454	0.000	1045667	BB	9.8	
	Totals:	100.0000		0.000	1051494			

Total Unidentified Counts : 1051494 counts

Detected Peaks: 6 Rejected Peaks: 1 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -37 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 183 microAU

Manual injection

****

Title :
Run File : D:\Limian\EGCG\blank-1.run
Method File : d:\limian\green tea\test1.mth
Sample ID : blank-1

LOD & LOQ

blank -1

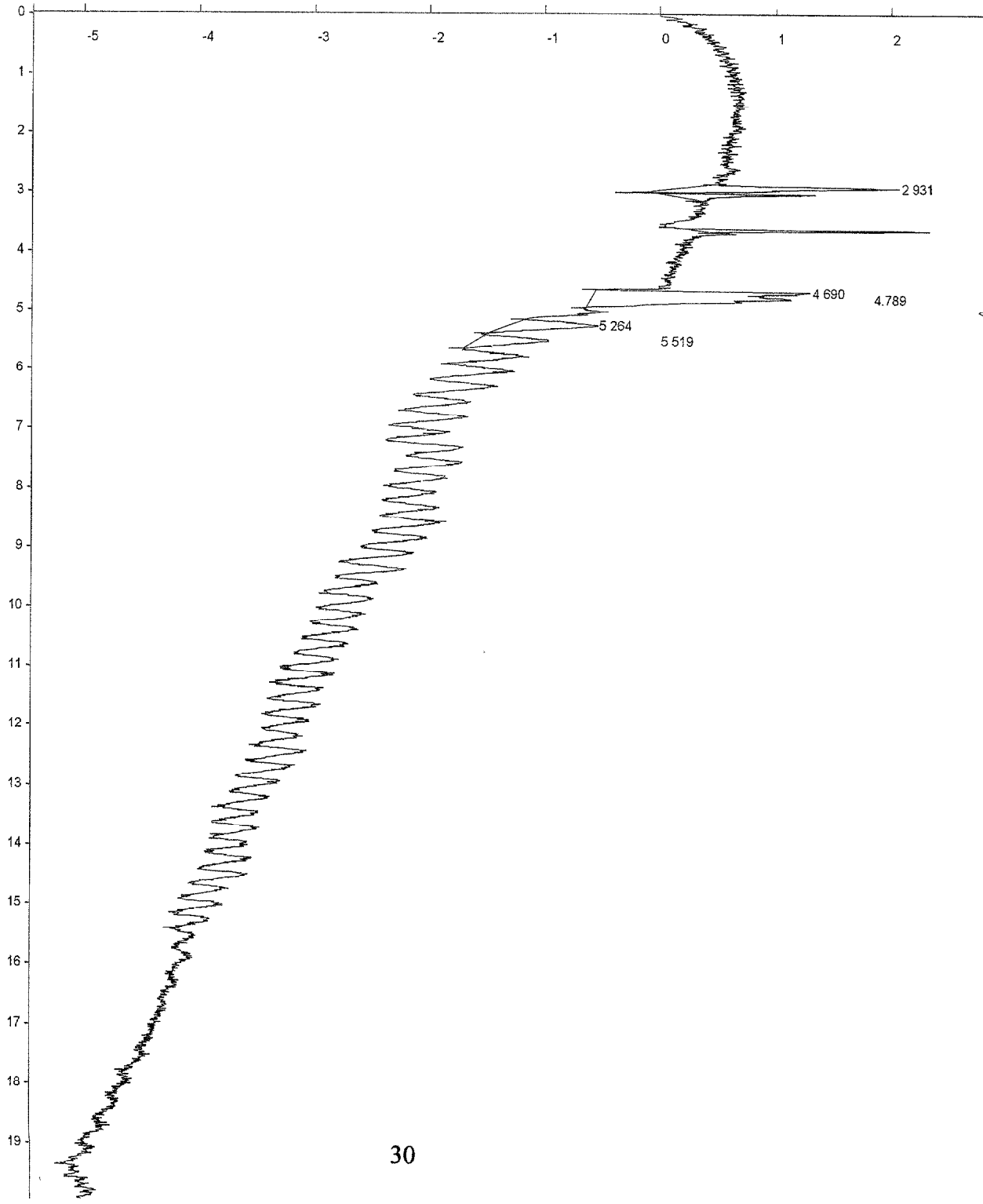
Injection Date: 12/2/2003 12:02 PM Calculation Date: 12/2/2003 12:23 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 7 Zero Offset = 63%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Title :
Run File : D:\Limian\EGCG\blank (water).run
Method File : d:\limian\green tea\test1.mth
Sample ID : blank (water)

blank-2

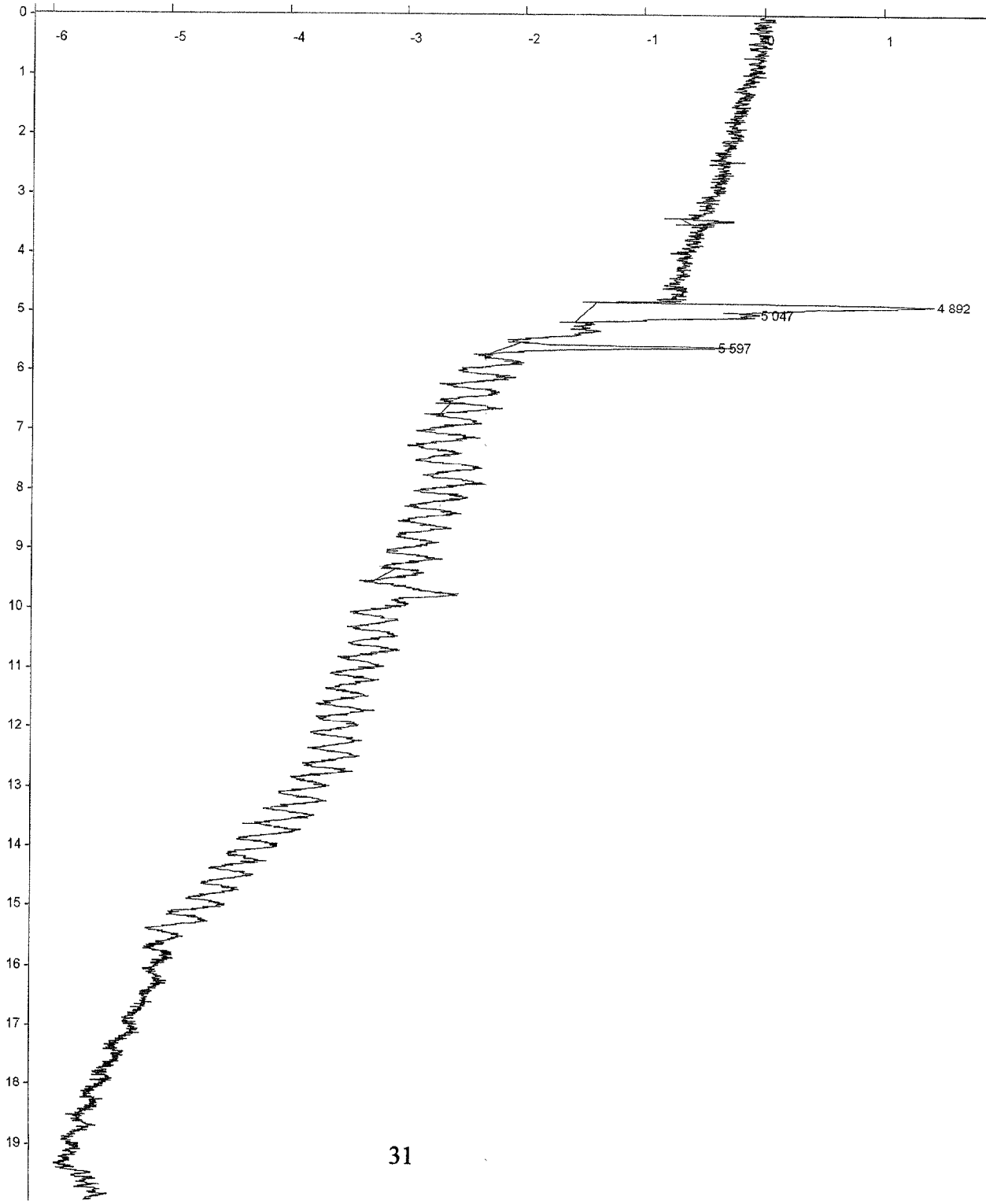
Injection Date: 12/1/2003 12:43 PM Calculation Date: 12/1/2003 1:20 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 6 Zero Offset = 84%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



blank-3

Title :
Run File : D:\Limian\EGCG\blank-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : blank-2

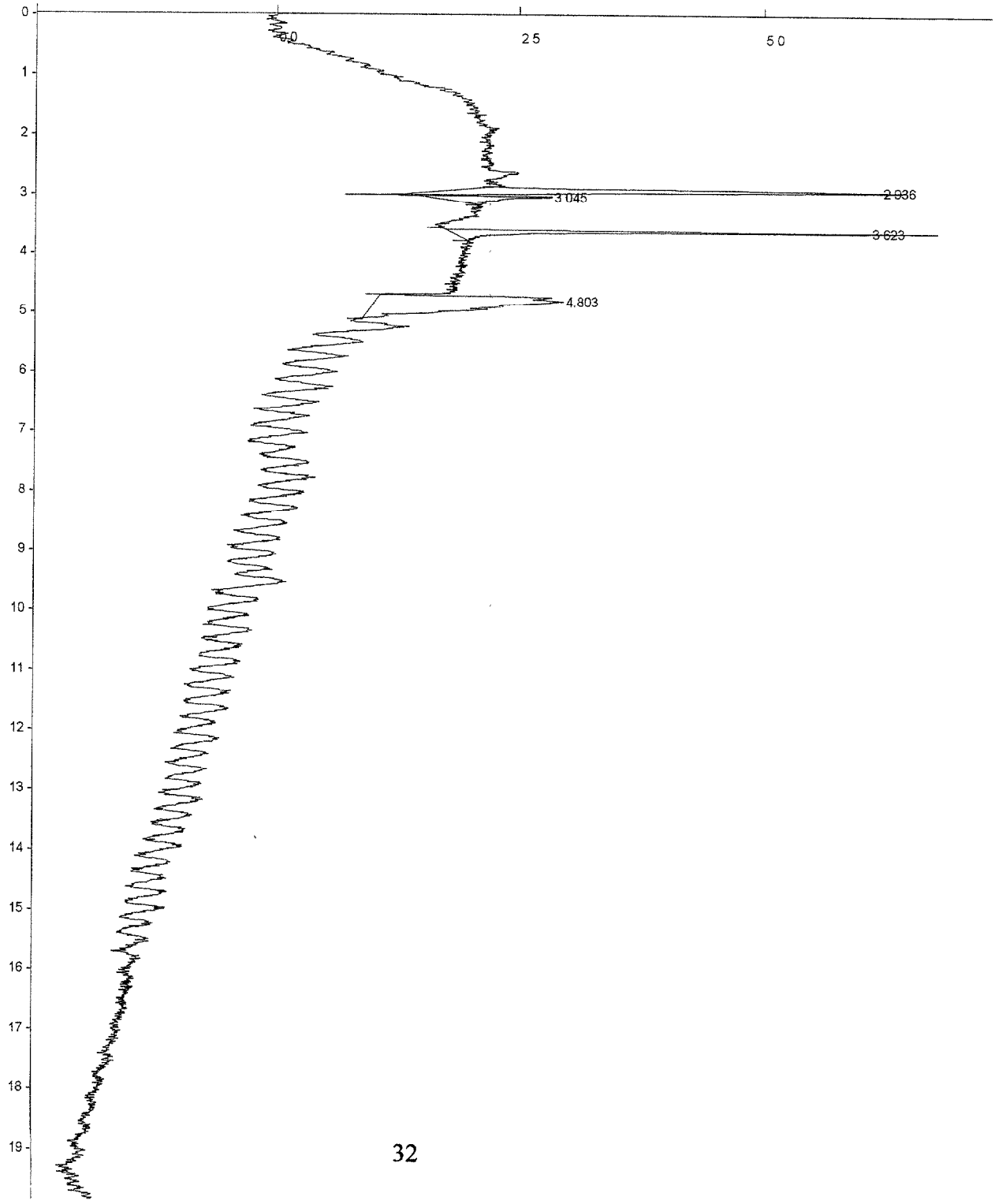
Injection Date: 12/2/2003 12:28 PM Calculation Date: 12/2/2003 12:48 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 8 Zero Offset = 25%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Title :
Run File : D:\Limian\EGCG\std-5ppm-1001.run
Method File : d:\limian\green tea\test1.mth
Sample ID : std-5ppm-1

5ppm-1

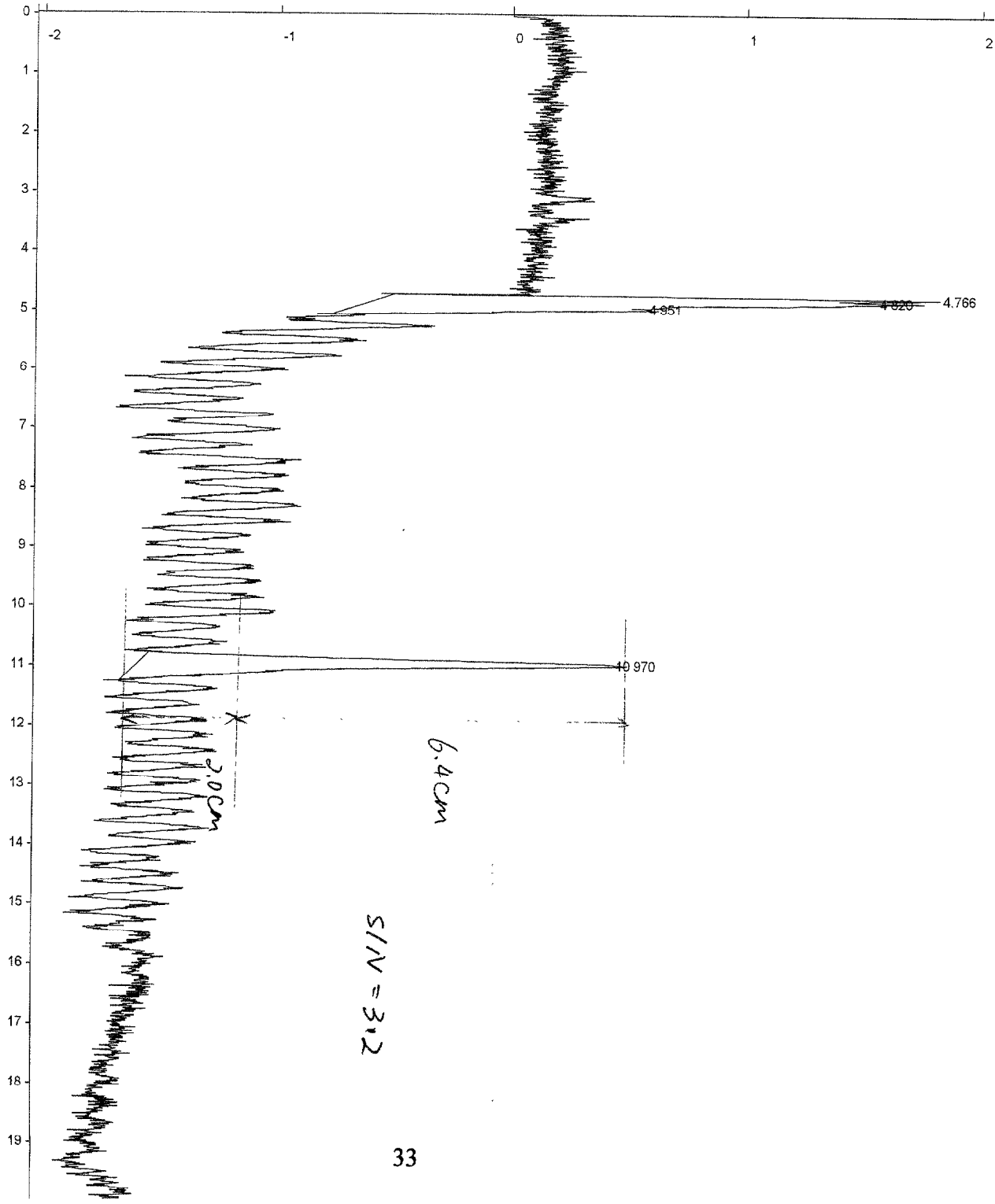
Injection Date: 12/2/2003 3:28 PM Calculation Date: 12/2/2003 3:59 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 3 Zero Offset = 55%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Title :
Run File : D:\Limian\EGCG\std-5ppm001.run
Method File : d:\limian\green tea\test1.mth
Sample ID : std-5ppm

5ppm-2

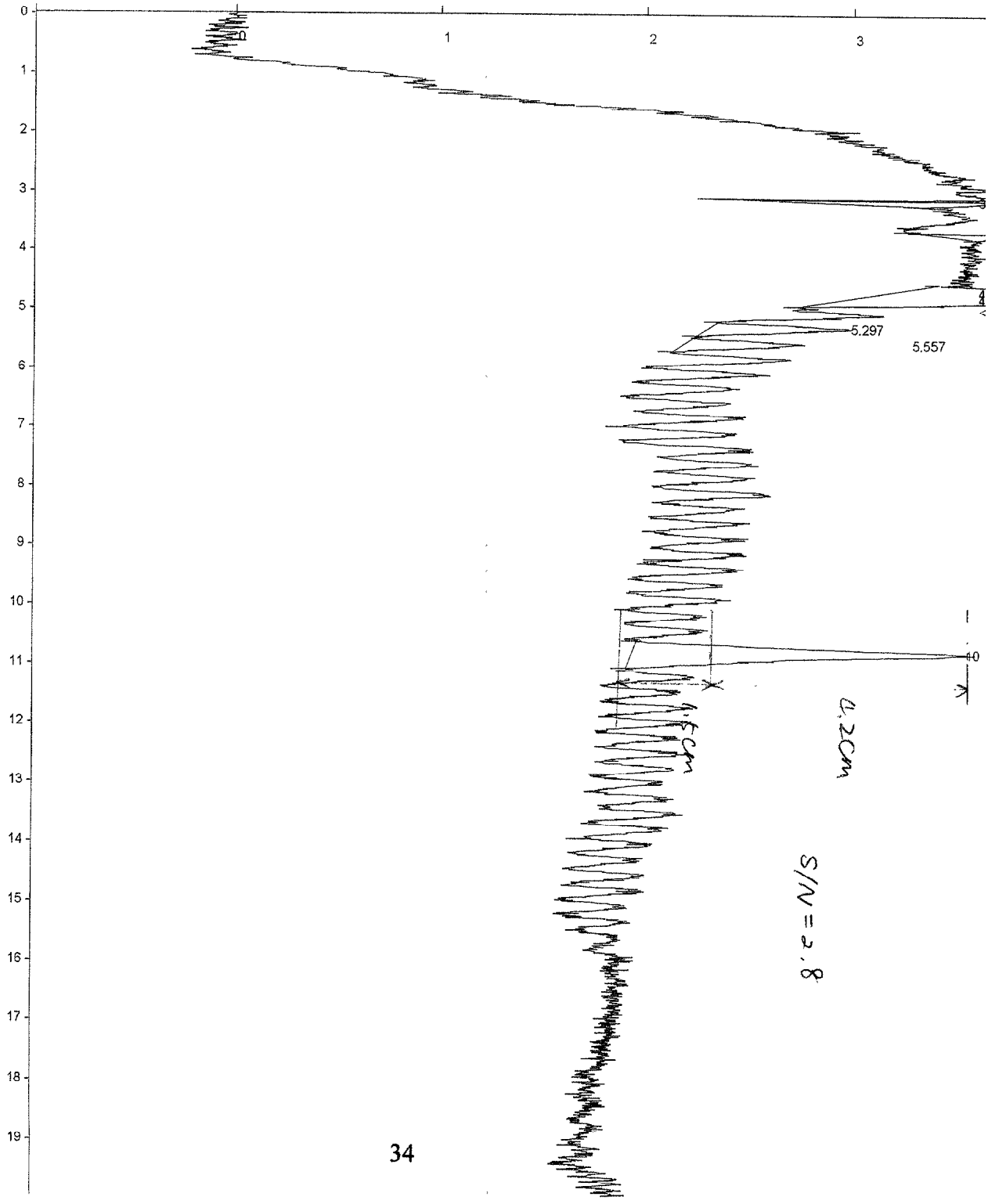
Injection Date: 12/2/2003 3:52 PM Calculation Date: 12/2/2003 4:31 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 4 Zero Offset = 20%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Title :
Run File : D:\Limian\EGCG\std-5ppm-3.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-5ppm-3

5ppm-3

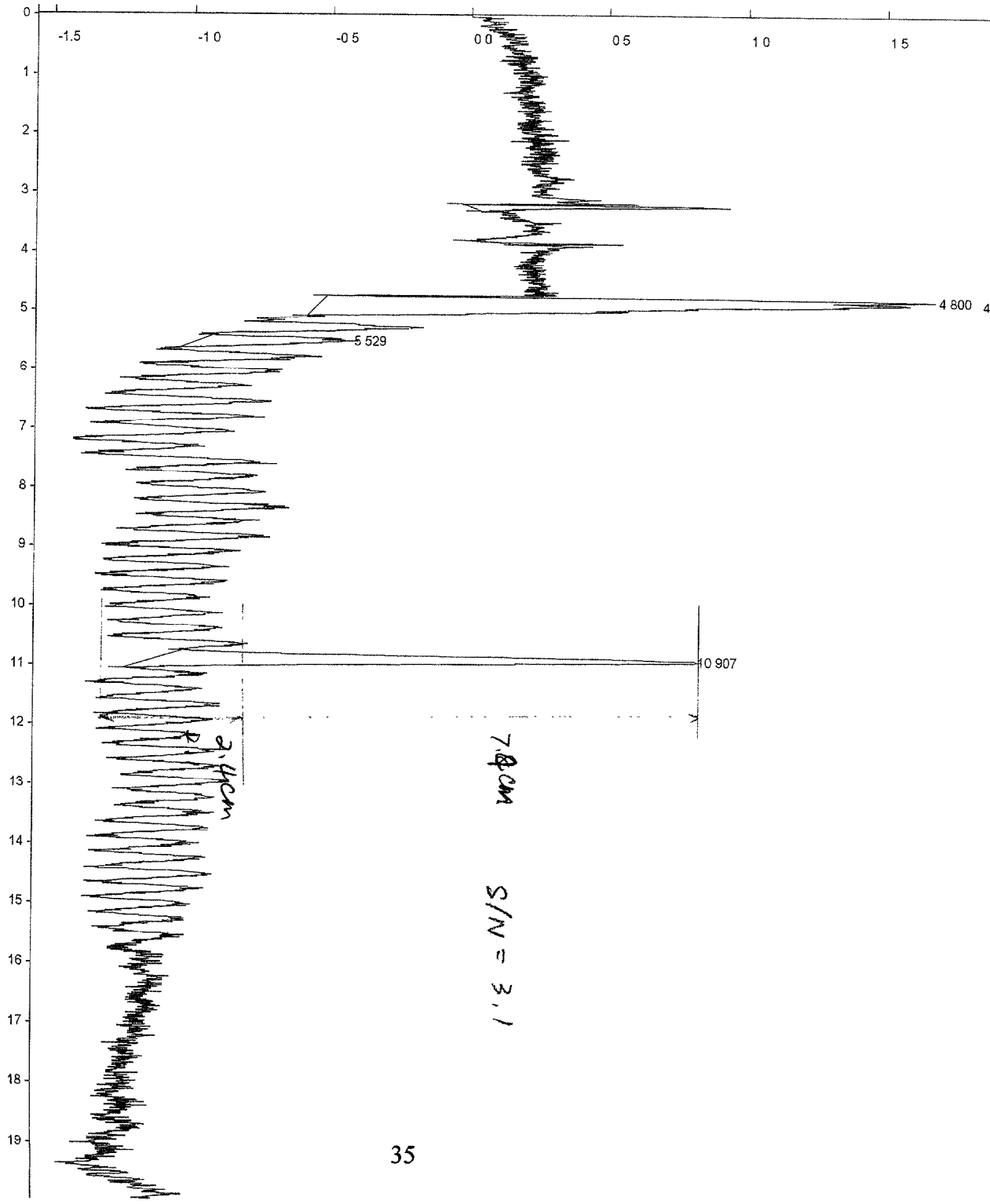
Injection Date: 12/2/2003 4:22 PM Calculation Date: 12/2/2003 4:42 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 2 Zero Offset = 64%
Start Time = 0.000 min End Time = 19.980 min Min / Tick = 1.00



Title :
Run File : D:\Limian\EGCG\std-10ppm-1001.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-10ppm-1

10ppm-1

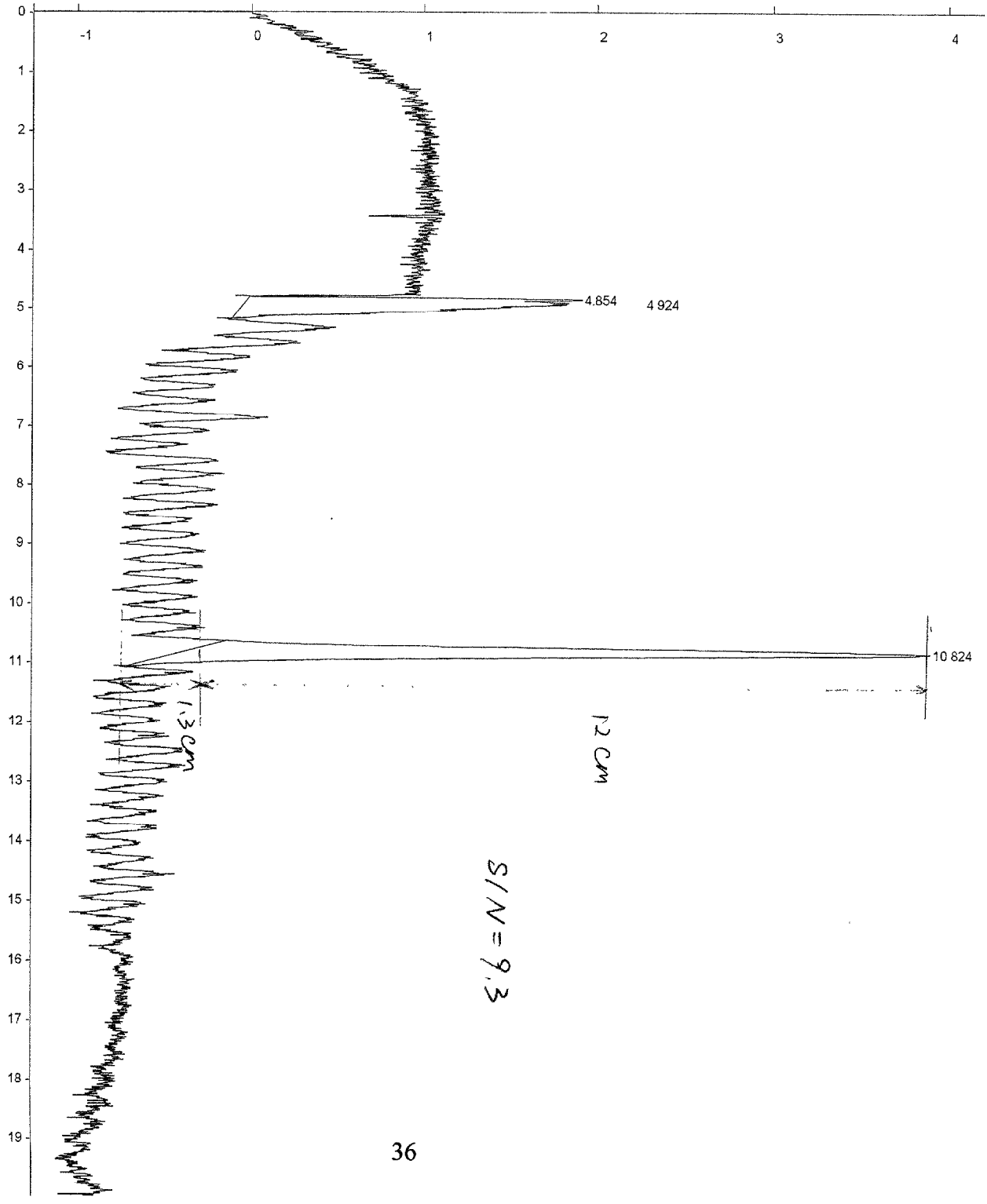
Injection Date: 12/2/2003 6:22 PM Calculation Date: 12/2/2003 6:43 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 4 Zero Offset = 25%
Start Time = 0.000 min End Time = 19.980 min Min / Tick = 1.00



Title :
Run File : D:\Limian\EGCG\std-10ppm-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-10ppm-2

10ppm-2

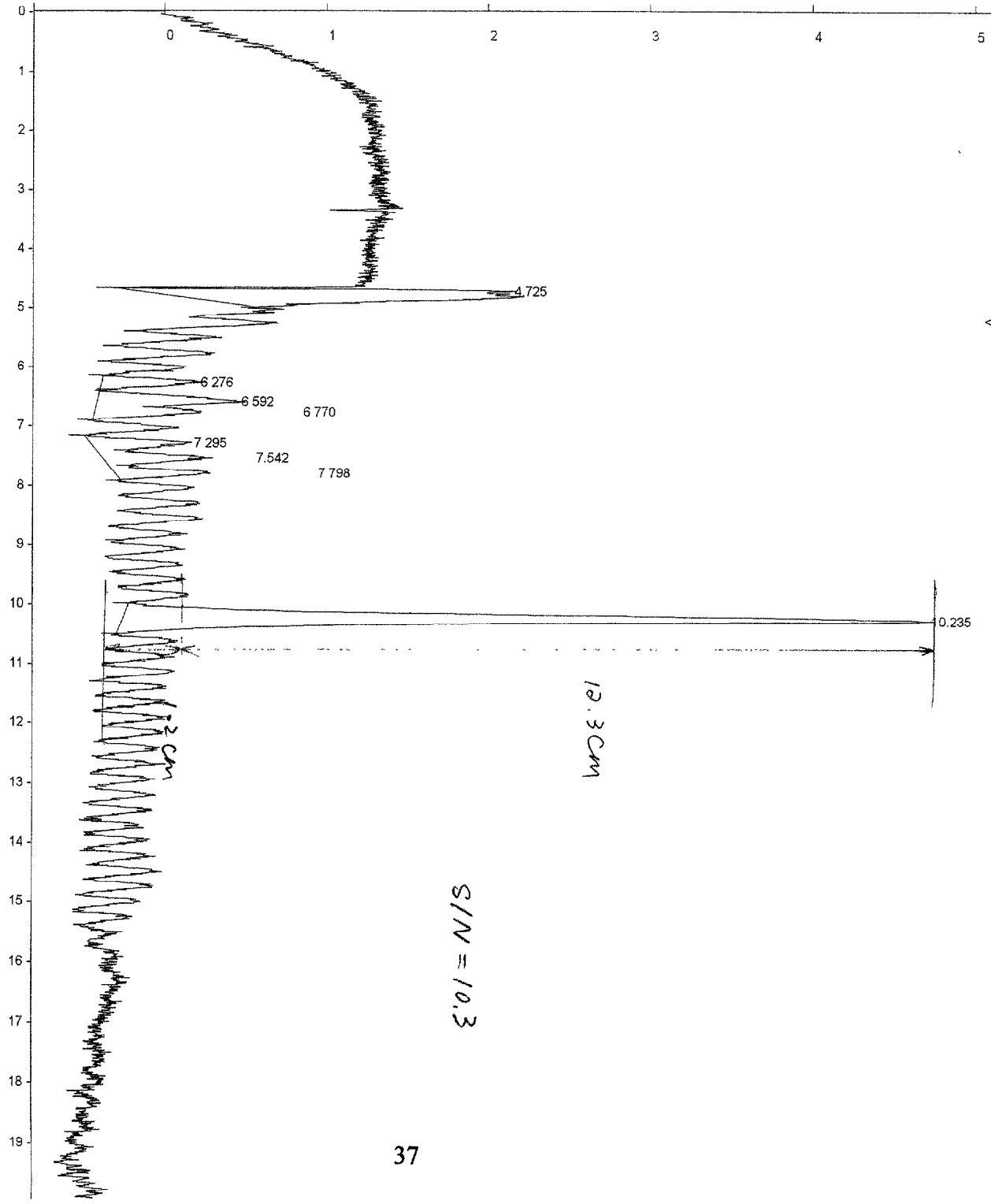
Injection Date: 12/2/2003 6:59 PM Calculation Date: 12/2/2003 7:19 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 5 Zero Offset = 13%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Title :
Run File : D:\Limian\EGCG\std-10ppm-3.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-10ppm-3

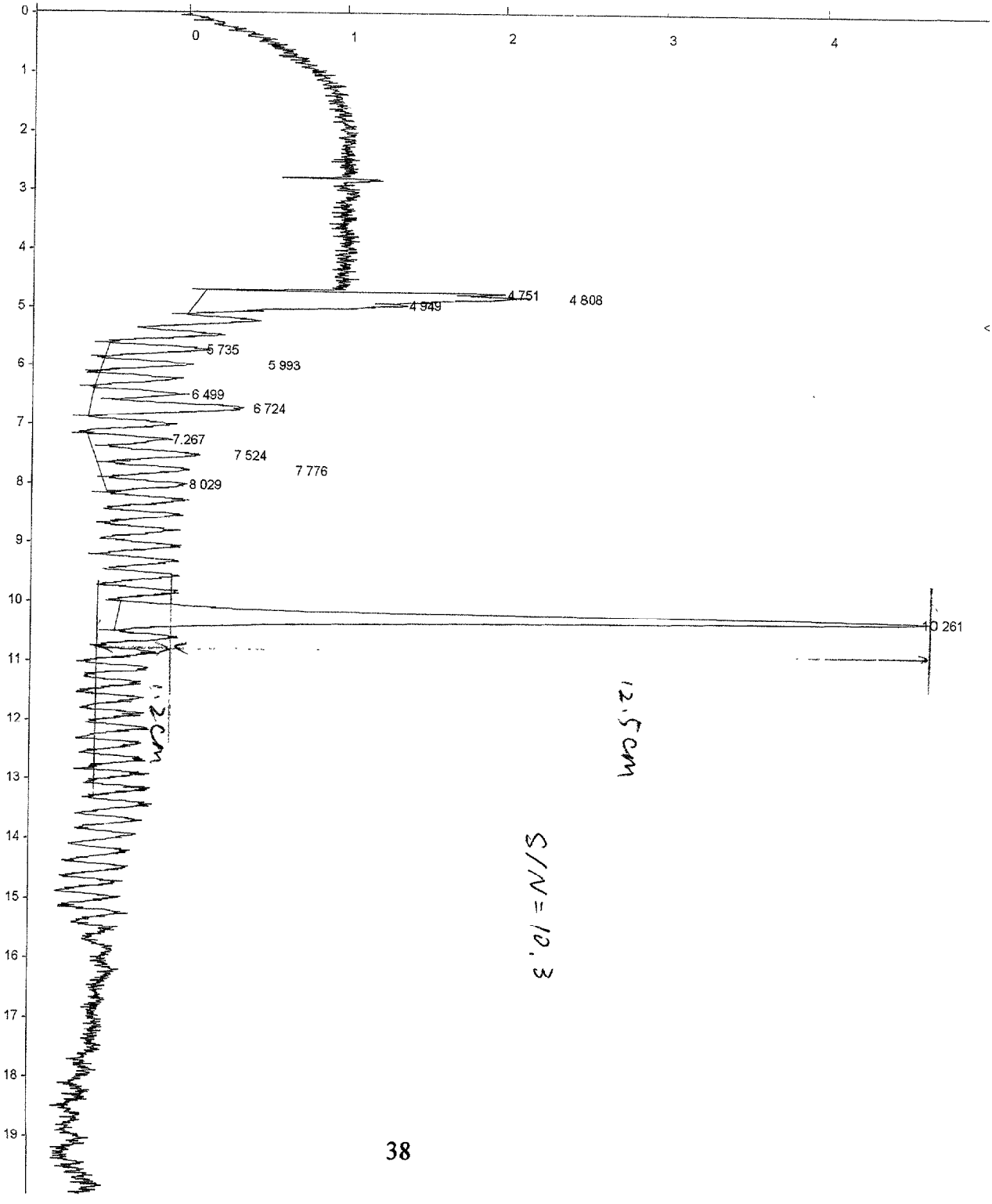
Injection Date: 12/2/2003 7:26 PM Calculation Date: 12/2/2003 7:46 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 5 Zero Offset = 15%
Start Time = 0.000 min End Time = 19.980 min Min / Tick = 1.00



Title :
Run File : D:\Limian\EGCG\std-4ppm-1.run
Method File : d:\limian\green tea\test1.mth
Sample ID : std-4ppm-1

4PPM

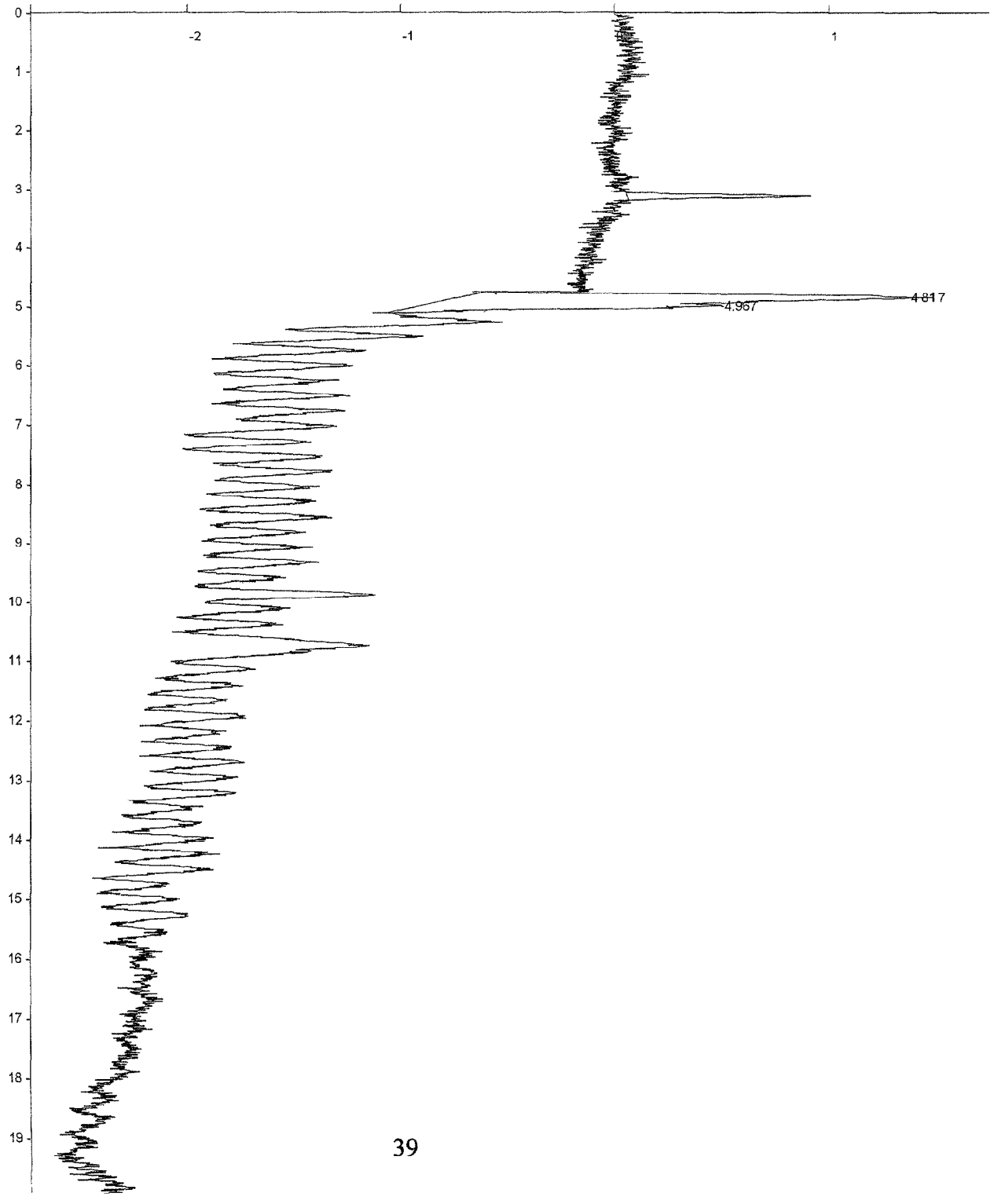
Injection Date: 12/2/2003 1:53 PM Calculation Date: 12/2/2003 4:06 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 3 Zero Offset = 74%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Title :
Run File : D:\Limian\EGCG\std-3ppm.run
Method File : d:\limian\green tea\test1.mth
Sample ID : std-3ppm

3ppm

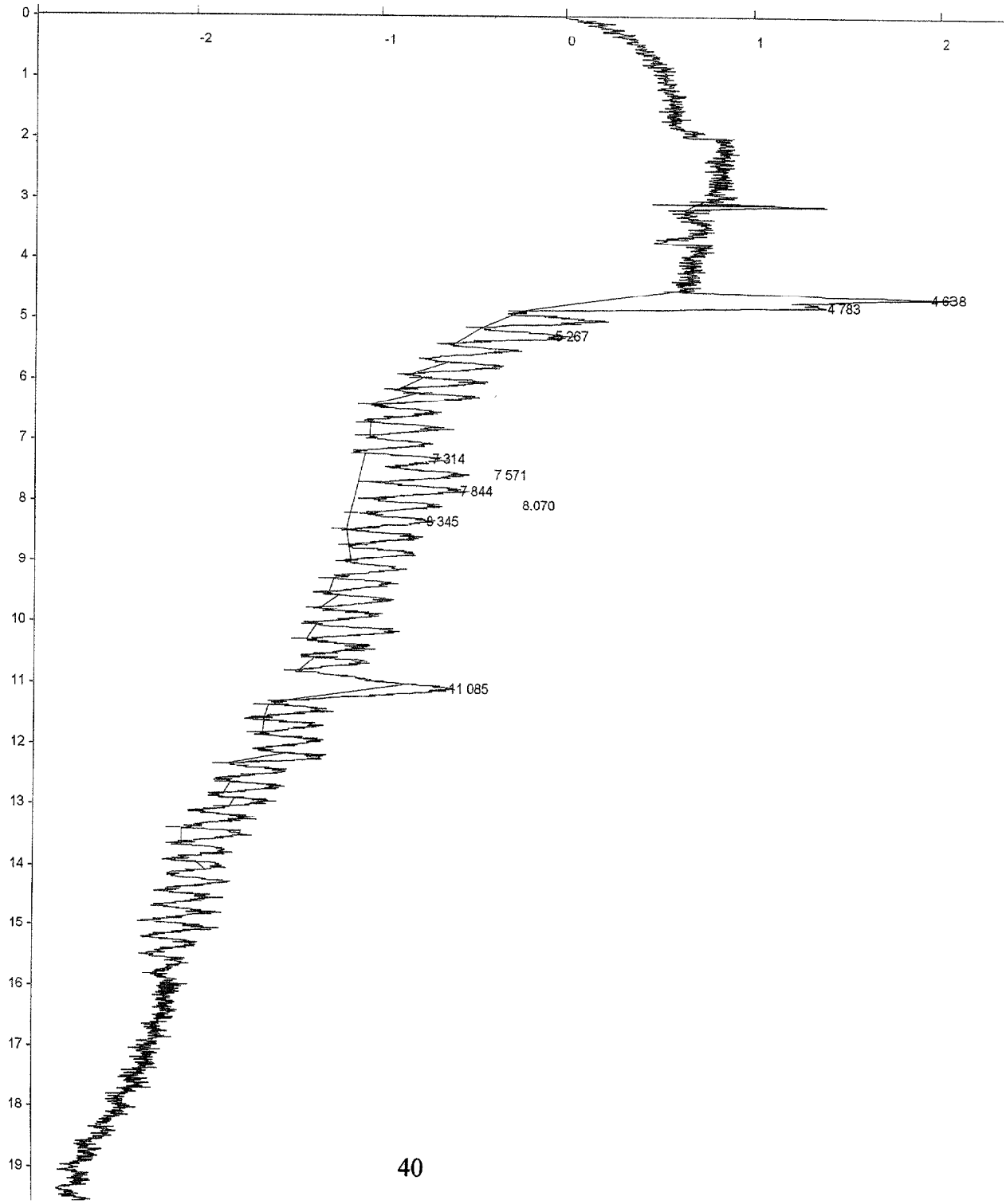
Injection Date: 12/1/2003 4:11 PM Calculation Date: 12/1/2003 4:35 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 4 Zero Offset = 58%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Title :
Run File : D:\Limian\EGCG\std-2ppm.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-2ppm

2ppm

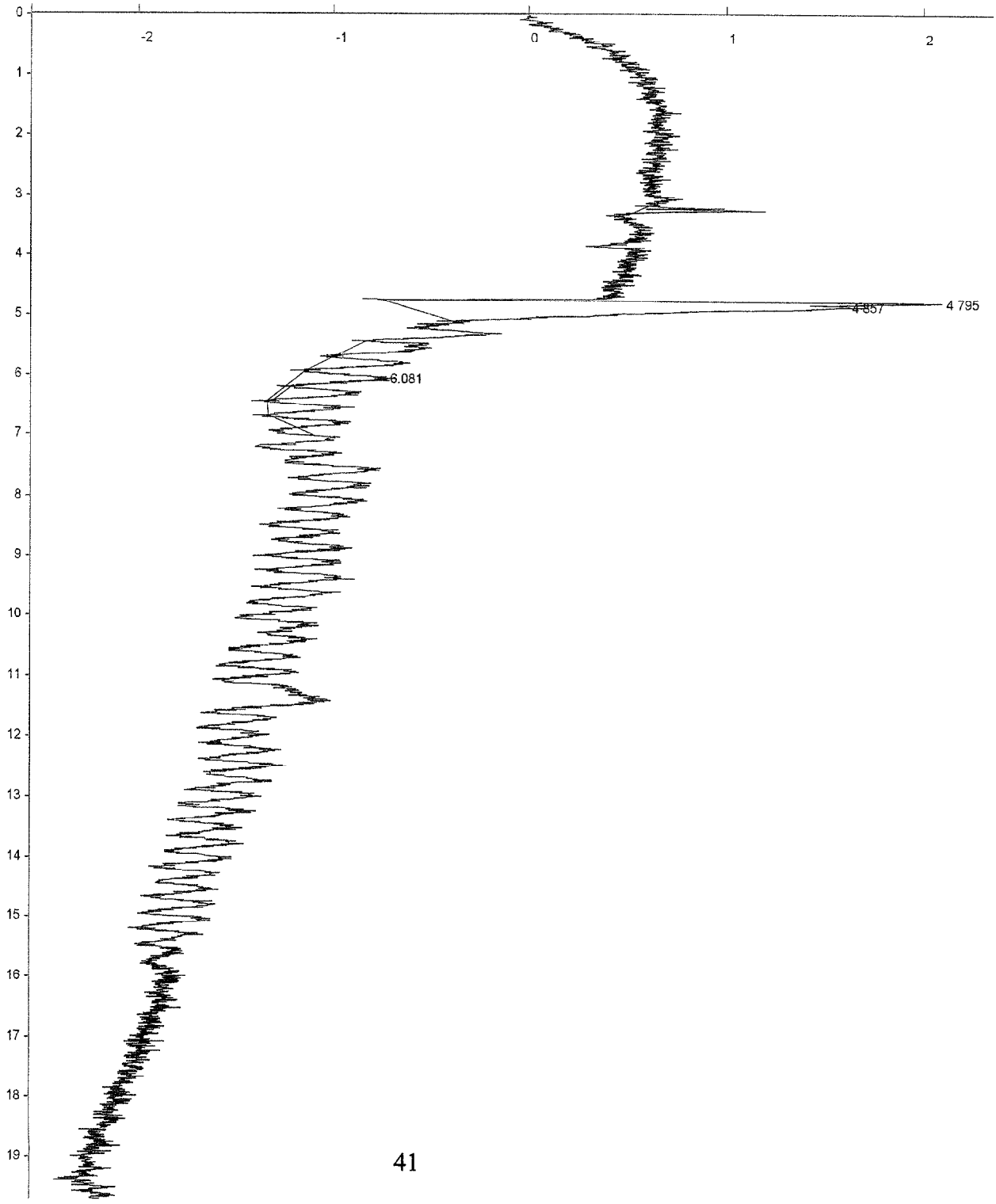
Injection Date: 12/1/2003 3:17 PM Calculation Date: 12/1/2003 3:37 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 4 Zero Offset = 52%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Title :
Run File : D:\Limian\EGCG\std-1ppm.run
Method File : d:\limian\green tea\test1.mth
Sample ID : std-1ppm

1PP

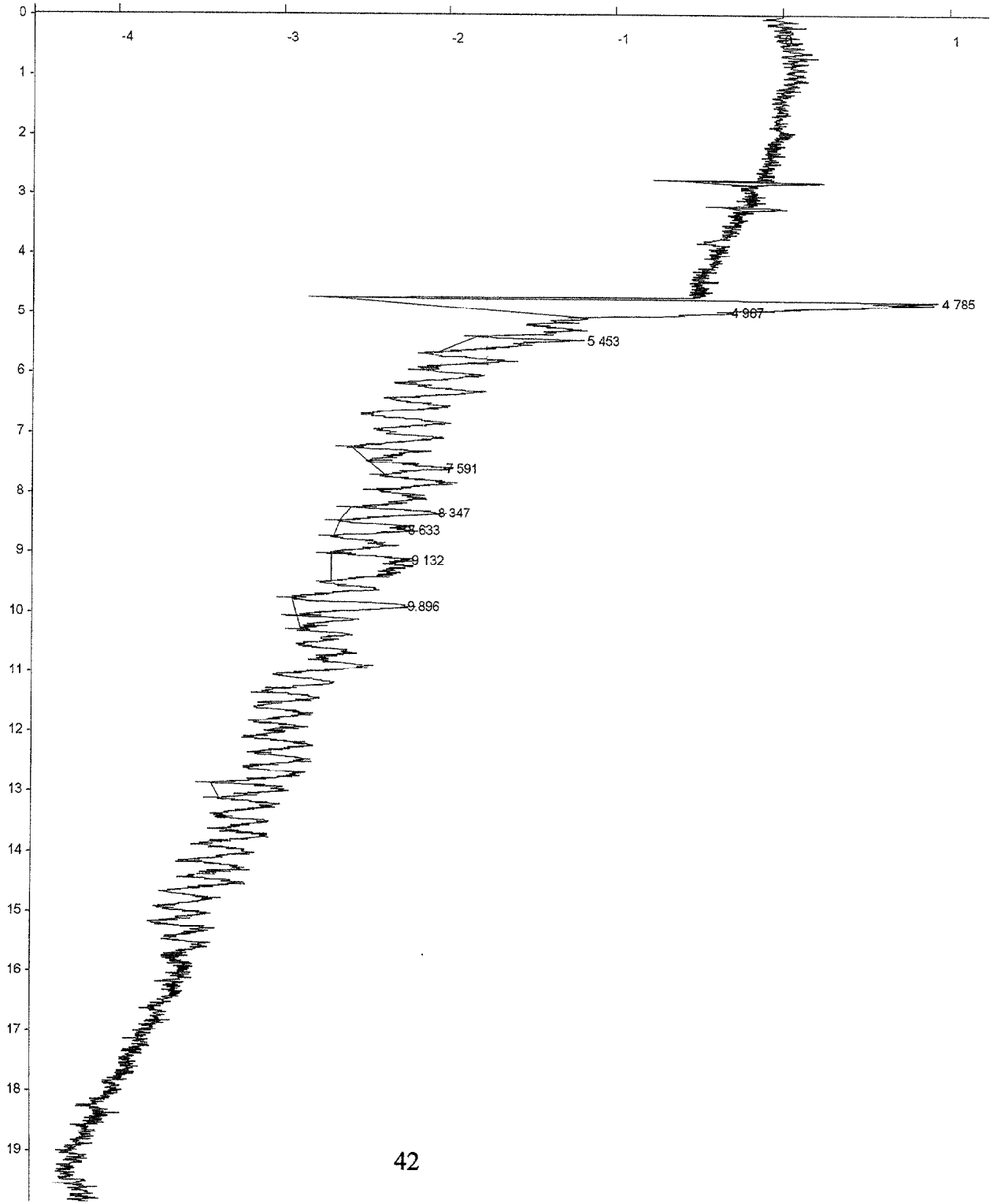
Injection Date: 12/1/2003 1:29 PM Calculation Date: 12/1/2003 3:36 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 5 Zero Offset = 73%
Start Time = 0.000 min End Time = 19.980 min Min / Tick = 1.00



Title :
Run File : D:\Limian\EGCG\std-400ppm-12-5-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-5-1

System Precision

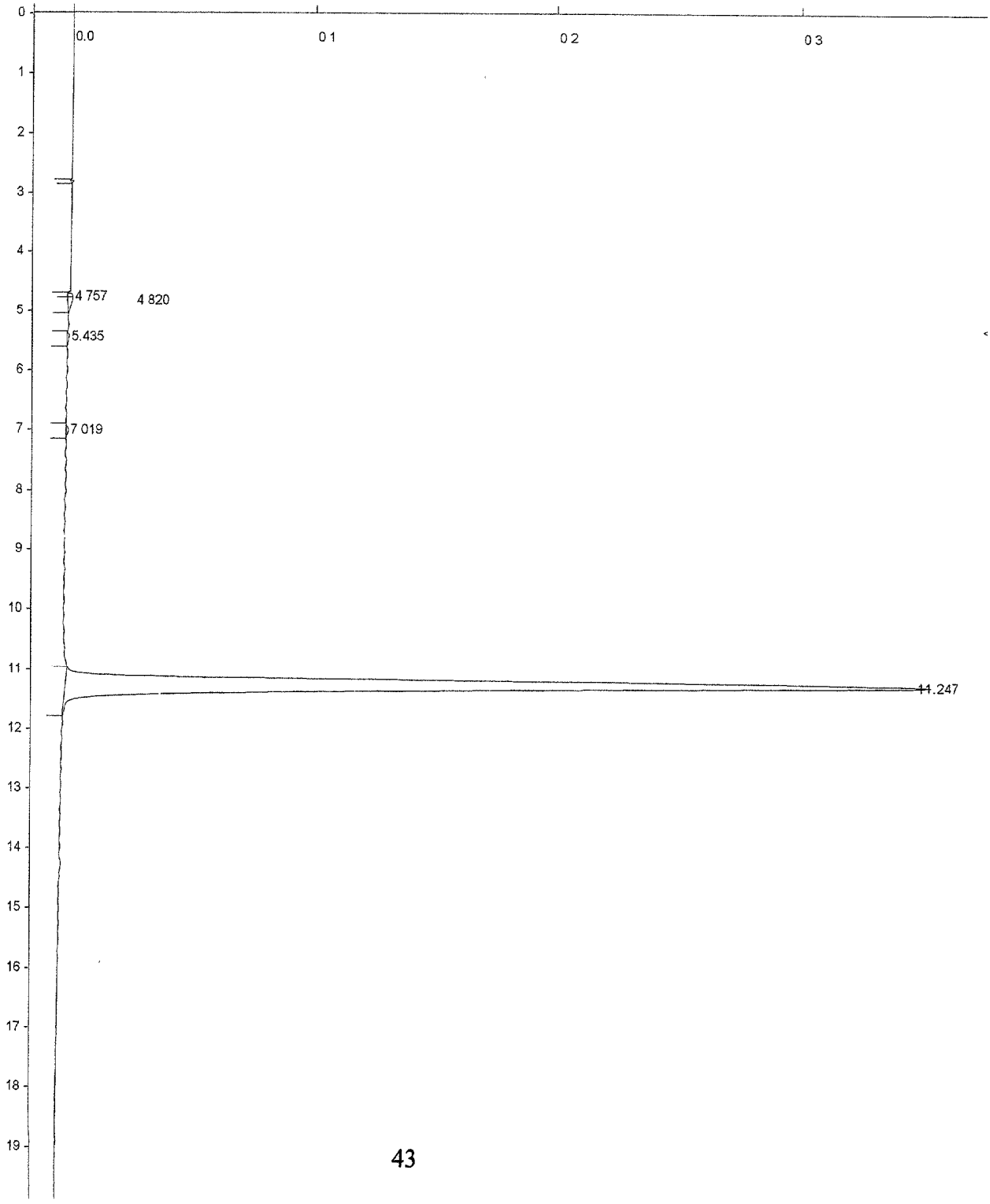
Injection Date: 12/5/2003 1:24 PM Calculation Date: 12/5/2003 1:44 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 341 Zero Offset = 4%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Print Date: Thu Jan 22 16:17:15 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-400ppm-12-5-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-5-1

Injection Date: 12/5/2003 1:24 PM Calculation Date: 12/5/2003 1:44 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.2382	4.757	0.000	1158	BV	4.6	
2		0.5039	4.820	0.000	2451	VB	15.2	
3		0.1585	5.435	0.000	771	BB	3.9	
4		0.1962	7.019	0.000	954	BB	7.3	
5		98.9032	11.247	0.000	480968	BB	9.4	
	Totals:	100.0000		0.000	486302			

Total Unidentified Counts : 486302 counts

Detected Peaks: 6 Rejected Peaks: 1 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 153 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 213 microAU

Manual injection

****

Print Date: Thu Jan 22 16:18:29 2004

Title :
Run File : D:\Limian\EGCG\std-400ppm-12-5-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-5-2

Injection Date: 12/5/2003 1:56 PM Calculation Date: 12/5/2003 2:17 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.2012	3.020	0.000	915	VP	3.0	
2		0.1173	3.098	0.000	533	PB	2.6	
3		0.2004	4.753	0.000	911	BV	3.8	
4		0.3157	4.801	0.000	1436	VV	3.8	
5		0.2453	4.900	0.000	1116	VB	14.4	
6		0.1172	5.239	0.000	533	BV	5.8	
7		0.2518	5.436	0.000	1145	VP	4.7	
8		0.5069	7.062	0.000	2305	BB	8.3	
9		98.0443	11.379	0.000	445904	BB	10.1	
	Totals:	100.0001		0.000	454798			

Total Unidentified Counts : 454798 counts

Detected Peaks: 12 Rejected Peaks: 3 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -60 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 160 microAU

Manual injection

****

Print Date: Thu Jan 22 16:19:30 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-400ppm-12-5-3.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-5-3

Injection Date: 12/5/2003 2:18 PM Calculation Date: 12/5/2003 2:39 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu. Codes
1		0.2107	4.748	0.000	991	BV	3.2	
2		0.3839	4.795	0.000	1807	VV	8.4	
3		0.1644	4.949	0.000	774	VB	0.0	
4		0.1611	5.462	0.000	758	BB	5.2	
5		0.3507	7.071	0.000	1650	BB	7.4	
6		98.7291	11.423	0.000	464570	BB	9.6	
	Totals:	99.9999		0.000	470550			

Total Unidentified Counts : 470550 counts

Detected Peaks: 9 Rejected Peaks: 3 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -30 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 152 microAU

Manual injection

****

Print Date: Thu Jan 22 16:20:17 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-400ppm-12-5-4.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-5-4

Injection Date: 12/5/2003 2:41 PM Calculation Date: 12/5/2003 3:01 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.2386	4.749	0.000	1120	BV	3.1	
2		0.3760	4.801	0.000	1765	VV	7.9	
3		0.1384	4.955	0.000	649	VB	0.0	
4		0.1370	5.485	0.000	643	BB	4.1	
5		99.1100	11.545	0.000	465094	BB	9.8	
	Totals:	100.0000		0.000	469271			

Total Unidentified Counts : 469271 counts

Detected Peaks: 6 Rejected Peaks: 1 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -14 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 152 microAU

Manual injection

****

Print Date: Thu Jan 22 16:21:10 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-400ppm-12-5-5.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-5

Injection Date: 12/5/2003 3:04 PM Calculation Date: 12/5/2003 3:24 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.1556	4.740	0.000	767	BV	2.7	
2		0.3835	4.789	0.000	1890	VV	7.6	
3		0.1707	4.943	0.000	841	VB	0.0	
4		0.1120	5.195	0.000	552	BB	0.0	
5		99.1781	11.633	0.000	488779	BB	9.9	
	Totals:	99.9999		0.000	492829			

Total Unidentified Counts : 492830 counts

Detected Peaks: 8 Rejected Peaks: 3 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 0 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 129 microAU

Manual injection

****

Print Date: Thu Jan 22 16:21:31 2004

Title :
Run File : D:\Limian\EGCG\std-400ppm-12-5-6.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-5-6

Injection Date: 12/5/2003 3:26 PM Calculation Date: 12/5/2003 3:46 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.2013	4.732	0.000	1046	BV	3.1	
2		0.3483	4.783	0.000	1810	VV	8.0	
3		0.1492	4.937	0.000	775	VB	0.0	
4		0.1847	5.473	0.000	960	BB	3.1	
5		0.2547	7.111	0.000	1323	BB	0.0	
6		98.8619	11.595	0.000	513733	BB	10.4	
	Totals:	100.0001		0.000	519647			

Total Unidentified Counts : 519647 counts

Detected Peaks: 8 Rejected Peaks: 2 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 0 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 167 microAU

Manual injection

****

Title :
Run File : D:\Limian\EGCG\std-400ppm-12-16.run System precision between
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-16

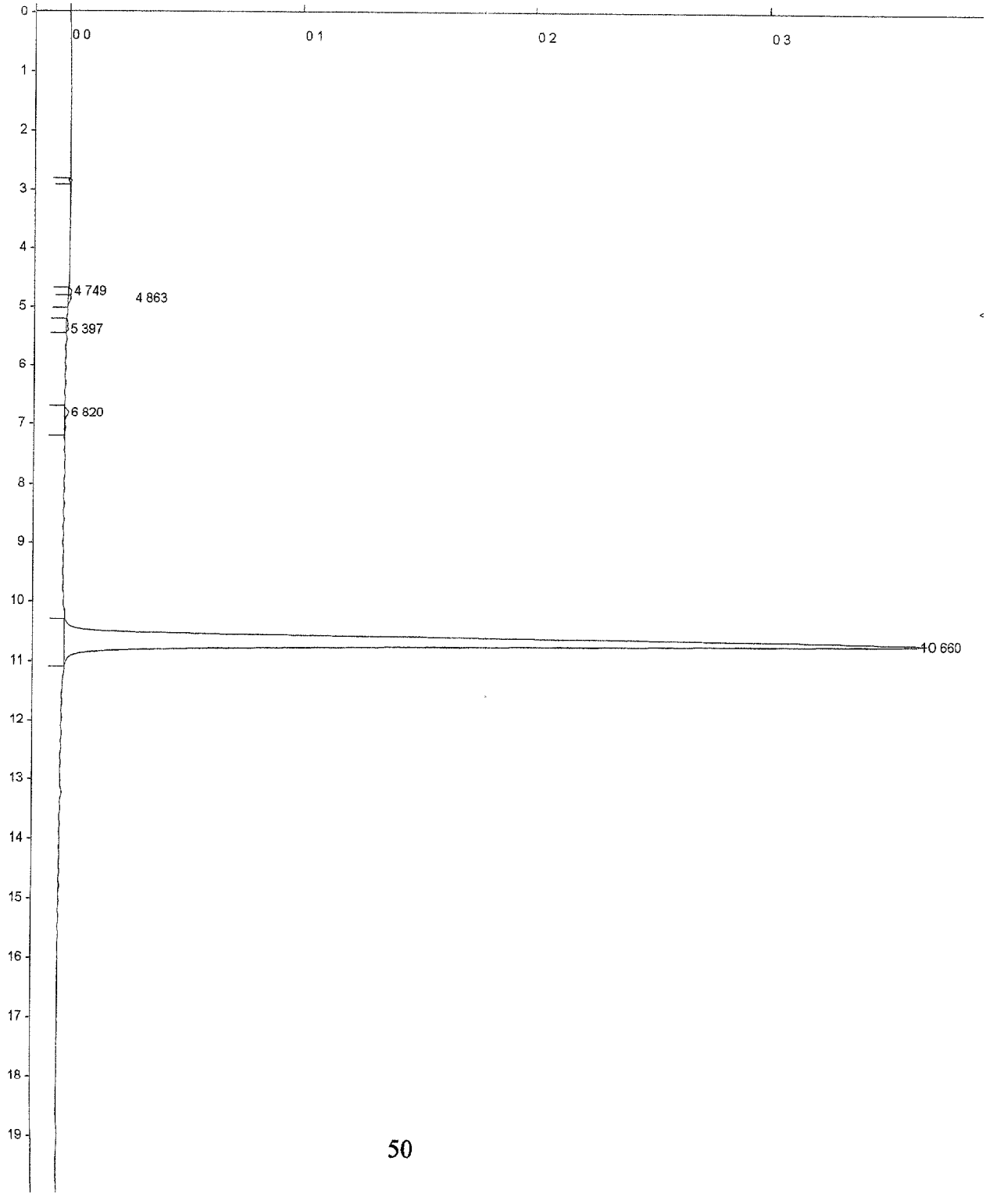
Injection Date: 12/16/2003 1:56 PM Calculation Date: 12/16/2003 2:17 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 352 Zero Offset = 3%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Title :
Run File : D:\Limian\EGCG\std-400ppm-12-16.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-16

Injection Date: 12/16/2003 1:56 PM Calculation Date: 12/16/2003 2:17 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.1958	4.749	0.000	929	BV	3.5	
2		0.1842	4.863	0.000	874	VB	12.1	
3		0.1835	5.397	0.000	870	BB	3.2	
4		0.5282	6.820	0.000	2505	BB	7.7	
5		98.9082	10.660	0.000	469092	BB	8.8	
	Totals:	99.9999		0.000	474270			

Total Unidentified Counts : 474269 counts

Detected Peaks: 6 Rejected Peaks: 1 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 175 microAU

Noise (used): 400 microAU - fixed value
Noise (monitored before this run): 228 microAU

Manual injection

****

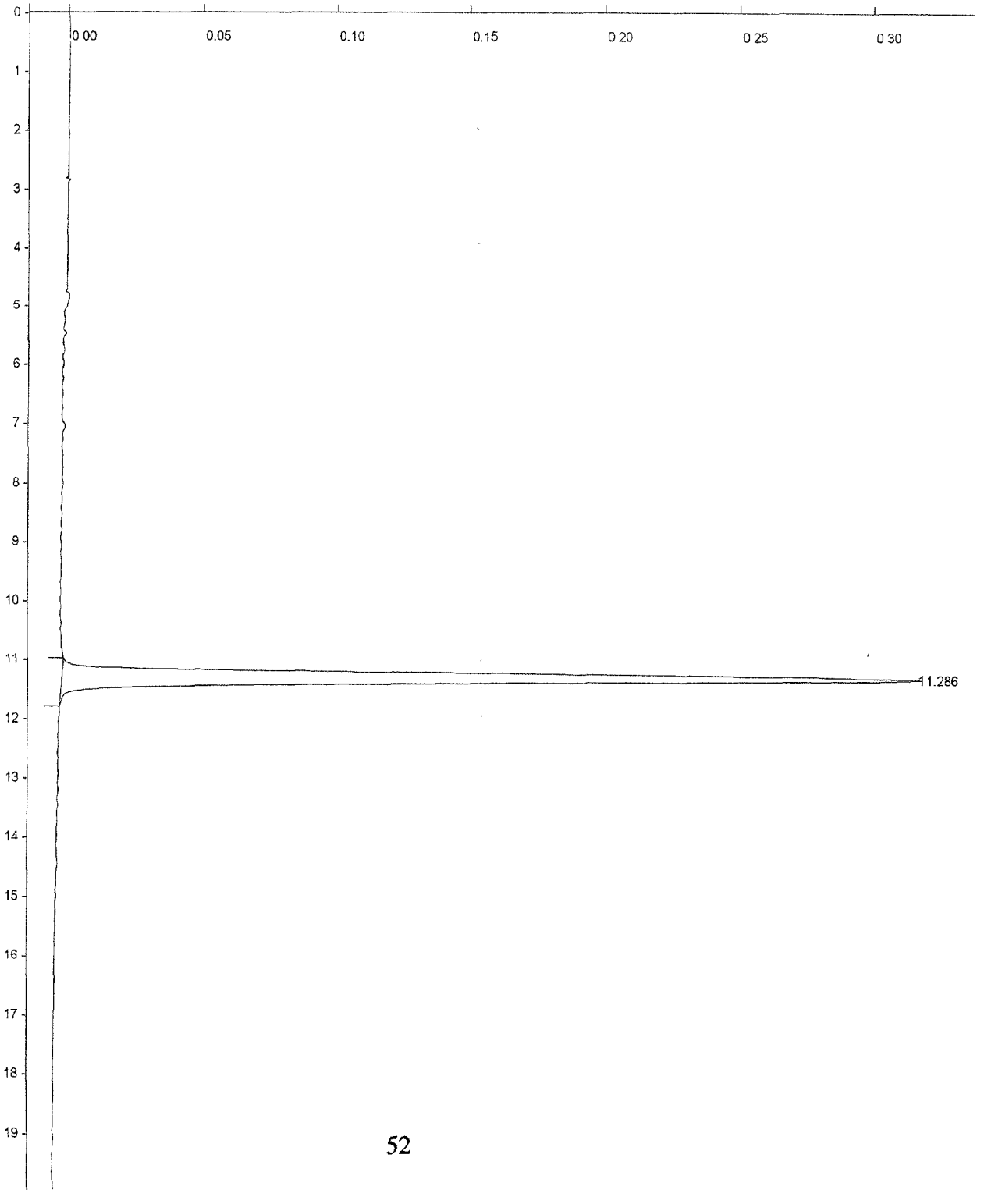
Title :
Run File : D:\Limian\EGCG\std-400ppm-12-17.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-17

Injection Date: 12/17/2003 12:22 PM Calculation Date: 12/17/2003 12:43 PM

Operator : limian Detector Type: 9065
Workstation: Bus Address : 4
Instrument : VARIAN 9065 Sample Rate : 2.71 Hz
Channel : 18 = 273 nm Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 306 Zero Offset = 4%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Print Date: Thu Jan 22 16:23:32 2004

Title :
Run File : D:\Limian\EGCG\std-400ppm-12-17.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-17

Injection Date: 12/17/2003 12:22 PM Calculation Date: 12/17/2003 12:43 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		100.0000	11.286	0.000	445858	BB	9.9	
	Totals:	100.0000		0.000	445858			

Total Unidentified Counts : 445858 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 244 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 198 microAU

Manual injection

****

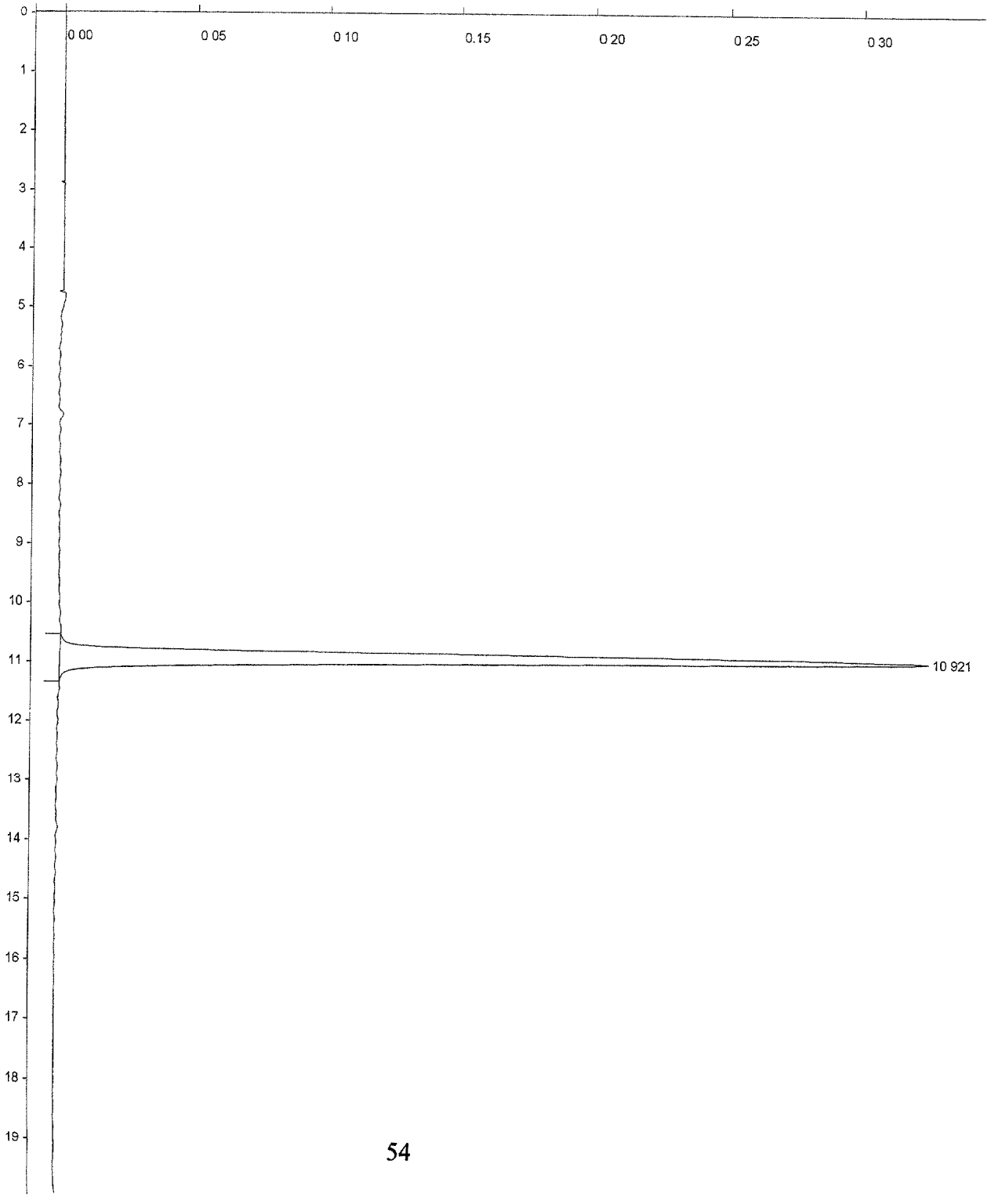
Title :
Run File : D:\Limian\EGCG\std-400ppm-12-17-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-17-2

Injection Date: 12/17/2003 5:34 PM Calculation Date: 12/17/2003 5:54 PM

Operator : limian Detector Type: 9065
Workstation: Bus Address : 4
Instrument : VARIAN 9065 Sample Rate : 2.71 Hz
Channel : 18 = 273 nm Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 310 Zero Offset = 3%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Title :
Run File : D:\Limian\EGCG\std-400ppm-12-17-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-17-2

Injection Date: 12/17/2003 5:34 PM Calculation Date: 12/17/2003 5:54 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		100.0000	10.921	0.000	450065	BB	9.8	
	Totals:	100.0000		0.000	450065			

Total Unidentified Counts : 450065 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 38 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 175 microAU

Manual injection

****

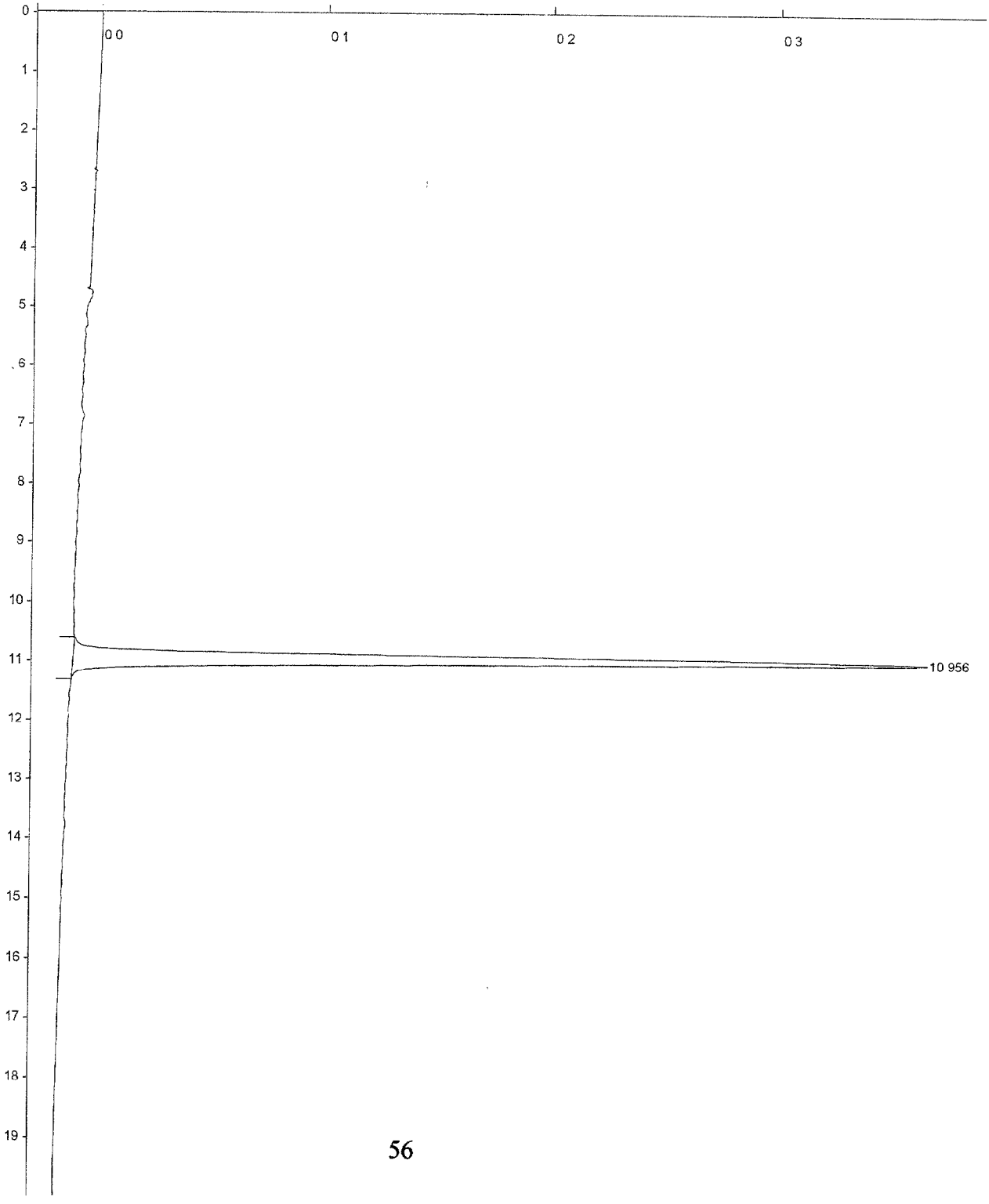
Title :
Run File : D:\Limian\EGCG\std-400ppm-12-18.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-18

Injection Date: 12/18/2003 12:23 PM Calculation Date: 12/18/2003 12:44 PM

Operator : limian Detector Type: 9065
Workstation: MS-DOS_6 Bus Address : 4
Instrument : VARIAN 9065 Sample Rate : 2.71 Hz
Channel : 18 = 273 nm Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 363 Zero Offset = 6%
Start Time = 0.000 min End Time = 19.980 min Min / Tick = 1.00



Print Date: Thu Jan 22 16:26:12 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-400ppm-12-18.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-18

Injection Date: 12/18/2003 12:23 PM Calculation Date: 12/18/2003 12:44 PM

Operator : limian
Workstation: MS-DOS_6
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu. Codes
1		100.0000	10.956	0.000	456713	BB	8.4	
	Totals:	100.0000		0.000	456713			

Total Unidentified Counts : 456713 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -121 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 198 microAU

Manual injection

****

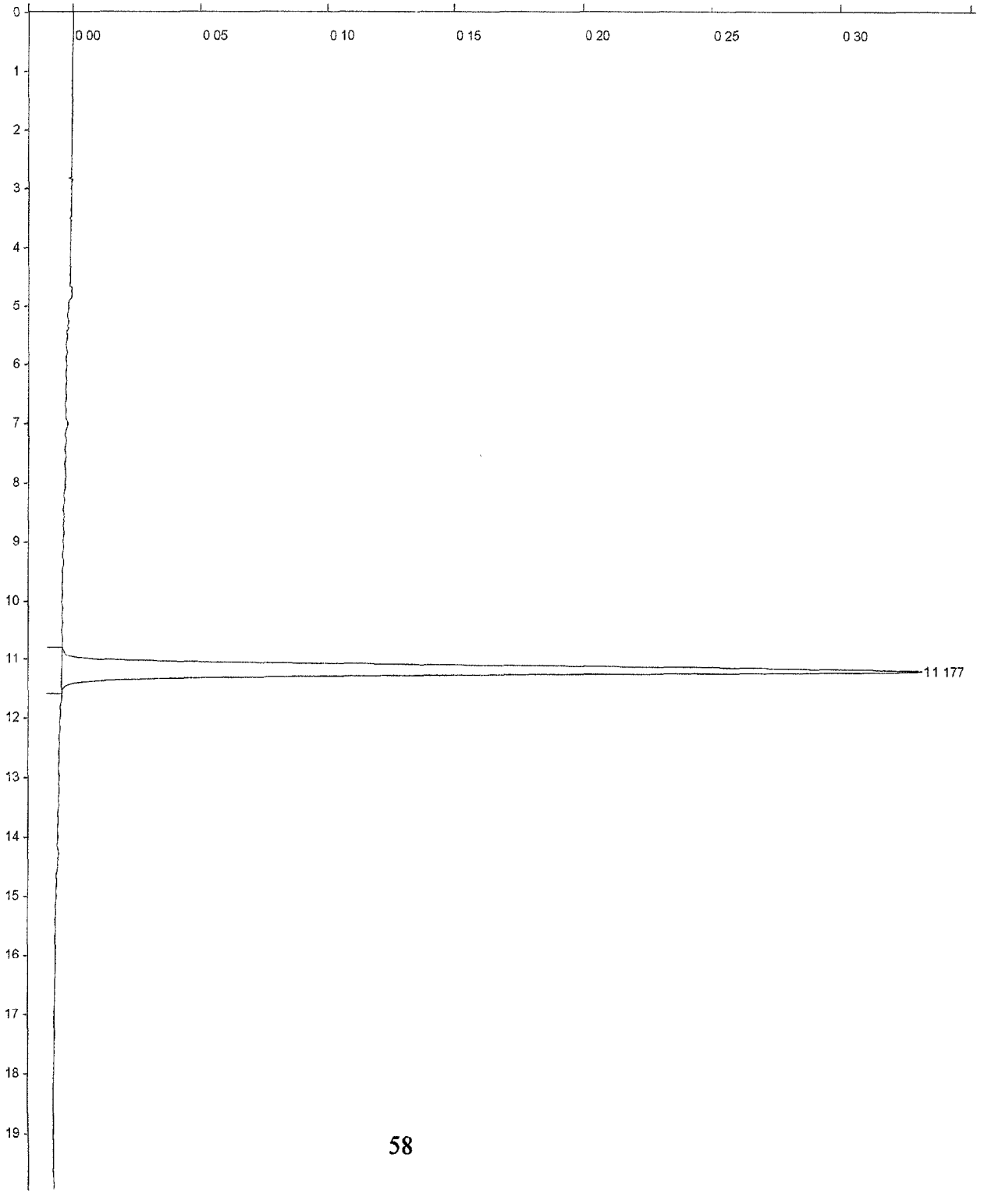
Title :
Run File : D:\Limian\EGCG\std-400ppm-12-19.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-19

Injection Date: 12/19/2003 12:28 PM Calculation Date: 12/19/2003 12:48 PM

Operator : limian Detector Type: 9065
Workstation: Bus Address : 4
Instrument : VARIAN 9065 Sample Rate : 2.71 Hz
Channel : 18 = 273 nm Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 321 Zero Offset = 4%
Start Time = 0.000 min End Time = 19.980 min Min / Tick = 1.00



Print Date: Thu Jan 22 16:27:33 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-400ppm-12-19.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-19

Injection Date: 12/19/2003 12:28 PM Calculation Date: 12/19/2003 12:48 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		100.0000	11.177	0.000	468320	BB	9.8	
	Totals:	100.0000		0.000	468320			

Total Unidentified Counts : 468320 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -30 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 160 microAU

Manual injection

****

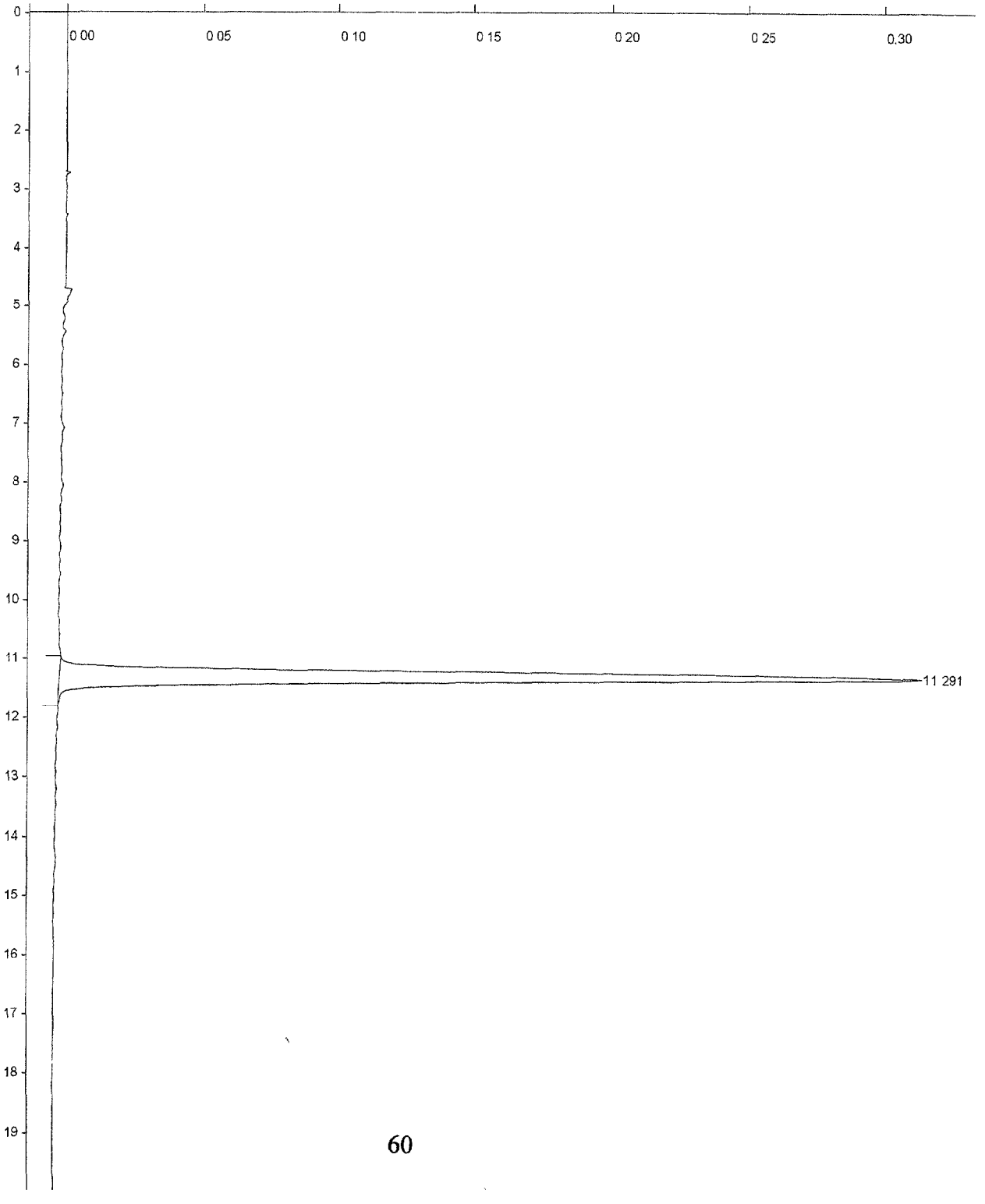
Title :
Run File : D:\Limian\EGCG\std-400ppm-12-22.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-22

Injection Date: 12/22/2003 1:52 PM Calculation Date: 12/22/2003 2:12 PM

Operator : limian Detector Type: 9065
Workstation: Bus Address : 4
Instrument : VARIAN 9065 Sample Rate : 2.71 Hz
Channel : 18 = 273 nm Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 302 Zero Offset = 3%
Start Time = 0.000 min End Time = 19.980 min Min / Tick = 1.00



Print Date: Thu Jan 22 16:29:43 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-400ppm-12-22.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-22

Injection Date: 12/22/2003 1:52 PM Calculation Date: 12/22/2003 2:12 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		100.0000	11.291	0.000	460582	BB	10.4	
	Totals:	100.0000		0.000	460582			

Total Unidentified Counts : 460582 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 84 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 205 microAU

Manual injection

****

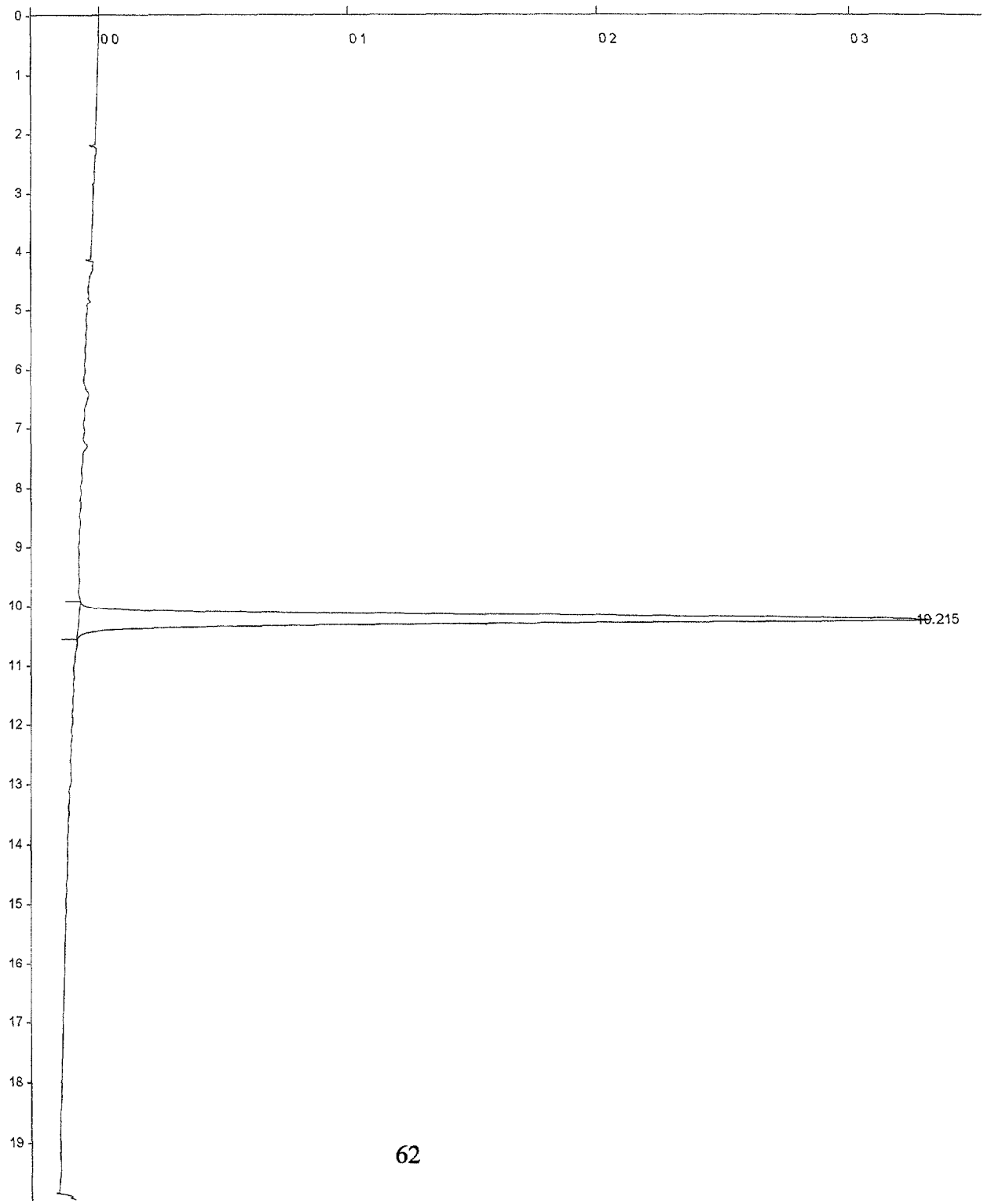
Title :
Run File : D:\Limian\EGCG\std-400ppm-12-24.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-24

Injection Date: 12/24/2003 1:02 PM Calculation Date: 12/24/2003 1:22 PM

Operator : limian Detector Type: 9065
Workstation: MS-DOS_6 Bus Address : 4
Instrument : VARIAN 9065 Sample Rate : 2.71 Hz
Channel : 18 = 273 nm Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 331 Zero Offset = 6%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Print Date: Thu Jan 22 16:31:15 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\std-400ppm-12-24.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : std-400ppm-12-24

Injection Date: 12/24/2003 1:02 PM Calculation Date: 12/24/2003 1:22 PM

Operator : limian
Workstation: MS-DOS_6
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		100.0000	10.215	0.000	429773	BB	8.8	
	Totals:	100.0000		0.000	429773			

Total Unidentified Counts : 429773 counts

Detected Peaks: 1 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -304 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 213 microAU

Manual injection

****

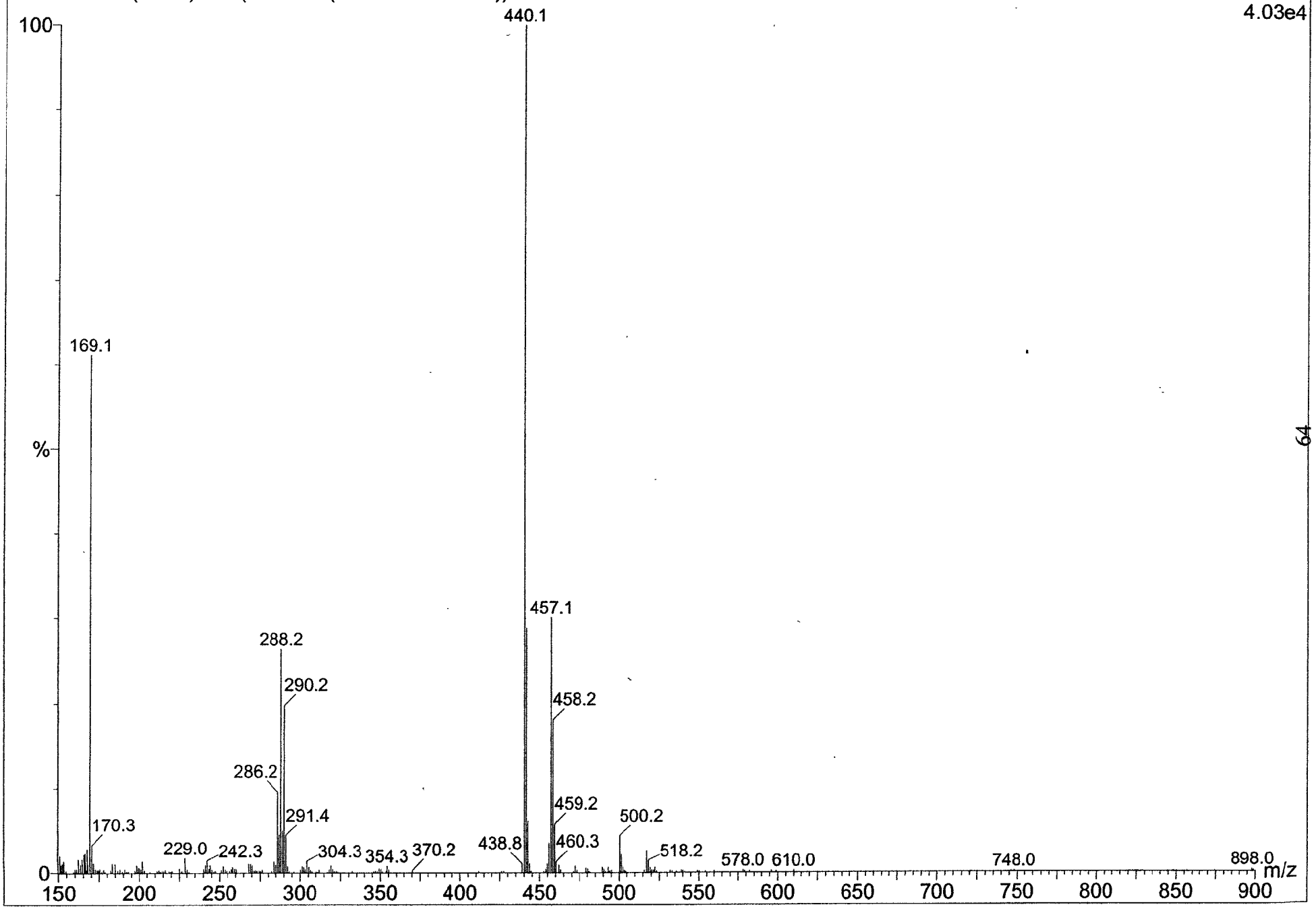
tea sample, 10 ul

22-Dec-2003

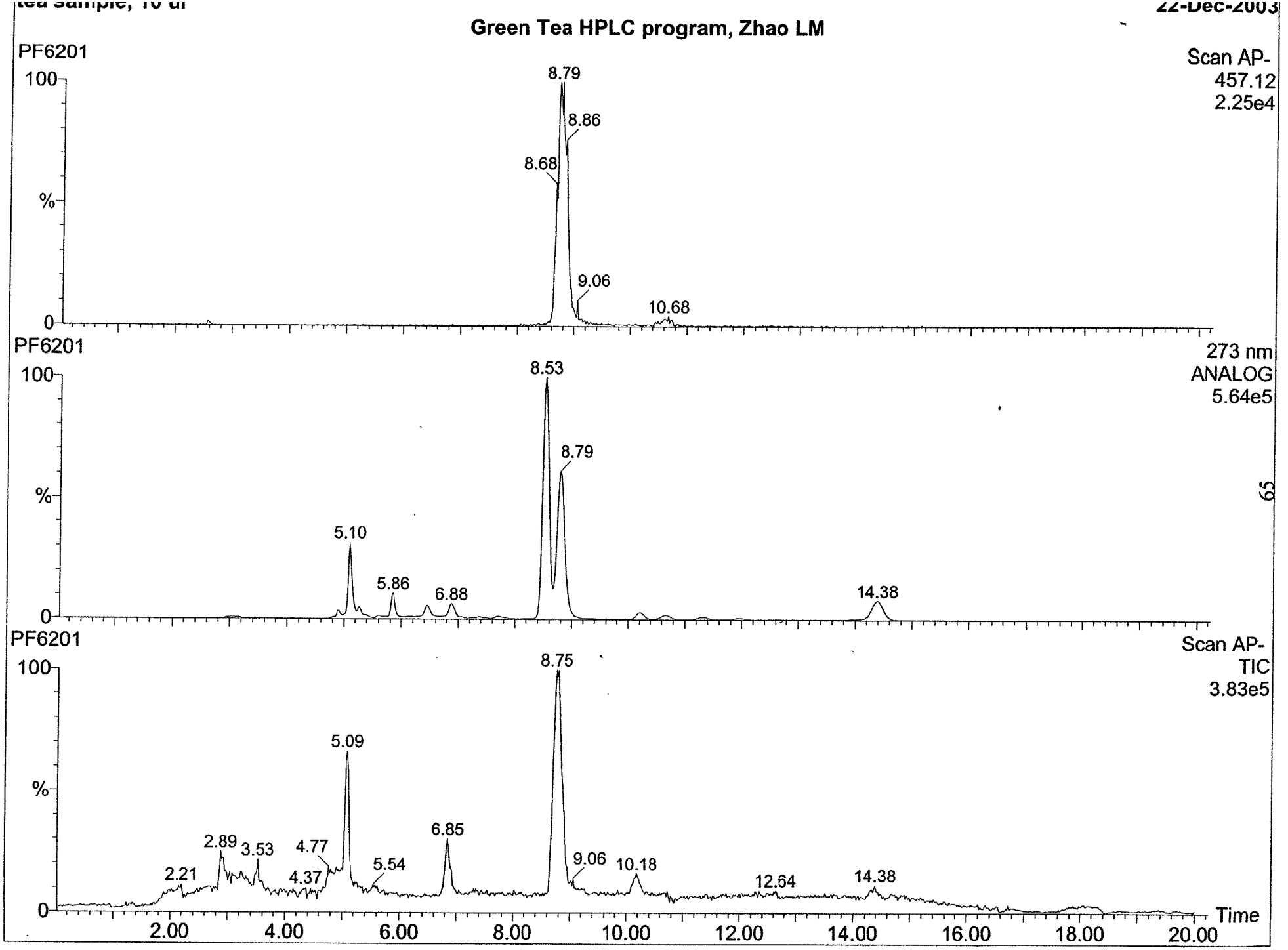
Green Tea HPLC program, Zhao LM

PF6201 476 (8.752) Cm (470:489-(432:465+497:518))

Scan AP-
4.03e4



64


tea sample, 10 ul
22-Dec-2003
Green Tea HPLC program, Zhao LM
PF6201
Scan AP-
457.12
2.25e4
100
%
0
8.79
8.86
8.68
9.06
10.68
PF6201
273 nm
ANALOG
5.64e5
100
%
0
8.53
8.79
5.10
5.86
6.88
14.38
PF6201
Scan AP-
TIC
3.83e5
100
%
0
8.75
5.09
6.85
2.89
3.53
4.77
2.21
4.37
5.54
9.06
10.18
12.64
14.38
2.00
4.00
6.00
8.00
10.00
12.00
14.00
16.00
18.00
20.00
Time

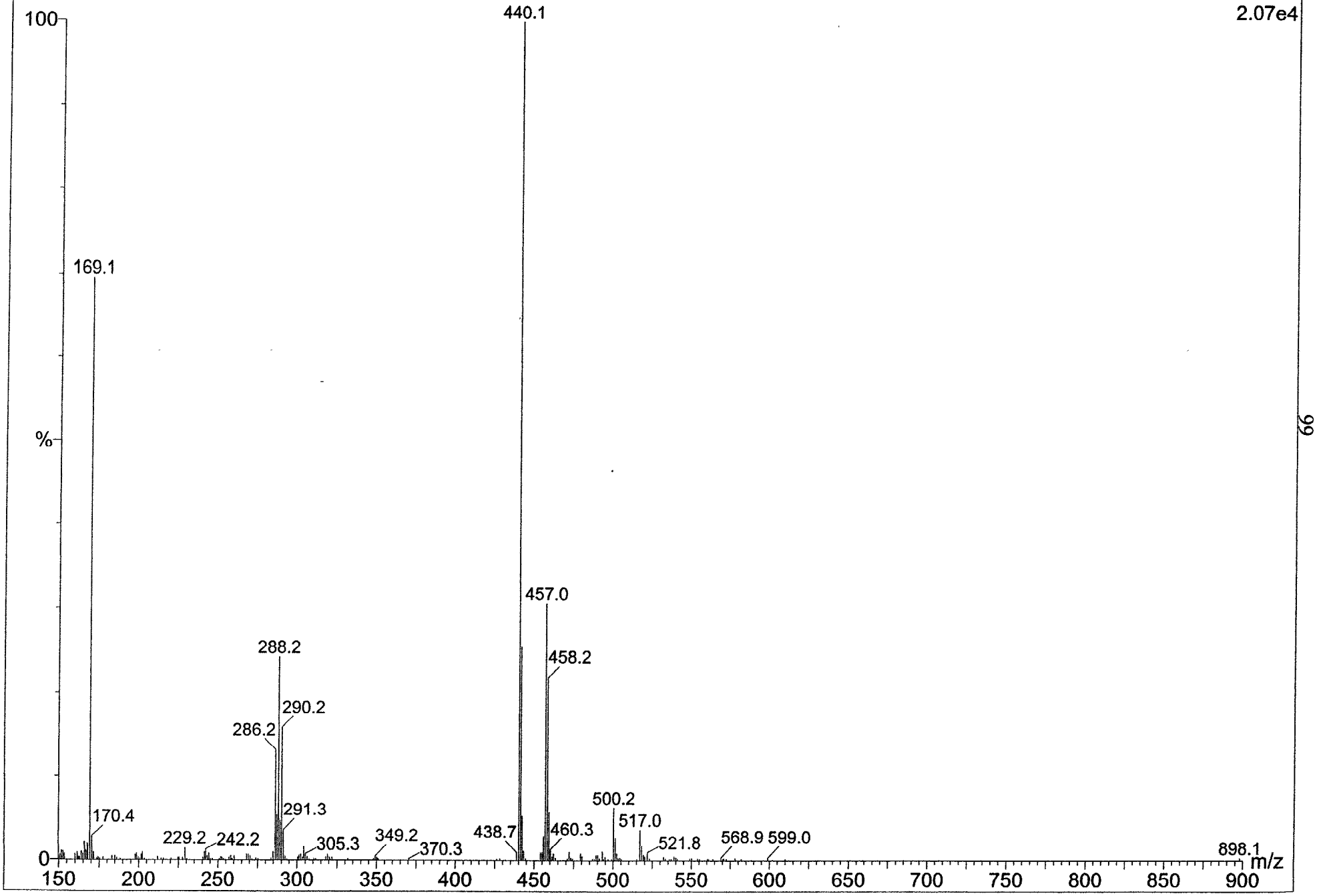
EGCG std, 10 ul

22-Dec-2003

Green Tea HPLC program, Zhao LM

PF6201 466 (8.569) Cm (460:476-490:532)

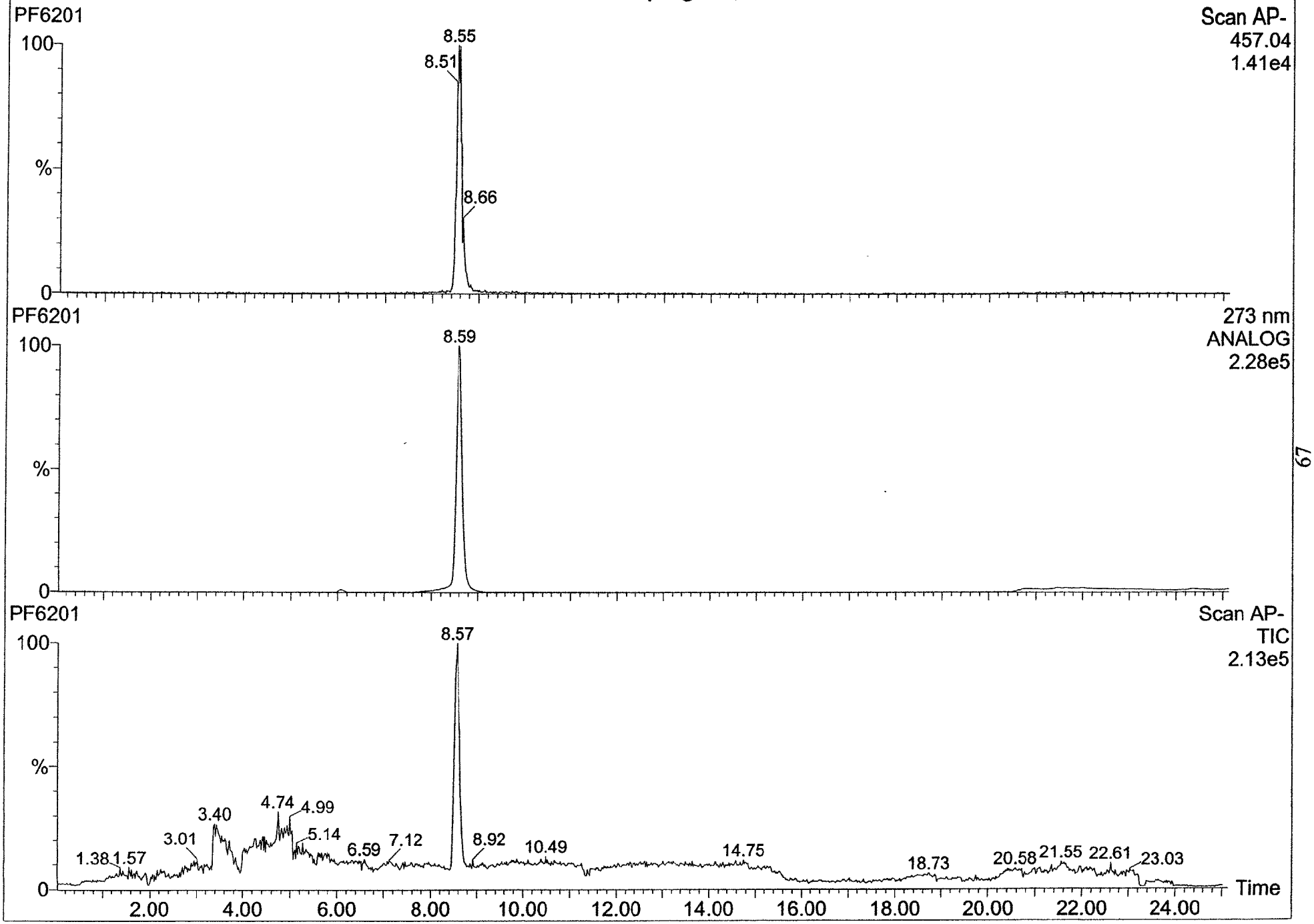
Scan AP-
2.07e4



EGCG std, 10 ul

22-Dec-2003

Green Tea HPLC program, Zhao LM



Title :
Run File : D:\Limian\EGCG\#1tea-12-16-1.run
Method File : d:\limian\green tea\test1.mth
Sample ID : #1tea-12-16-1

#1 tea

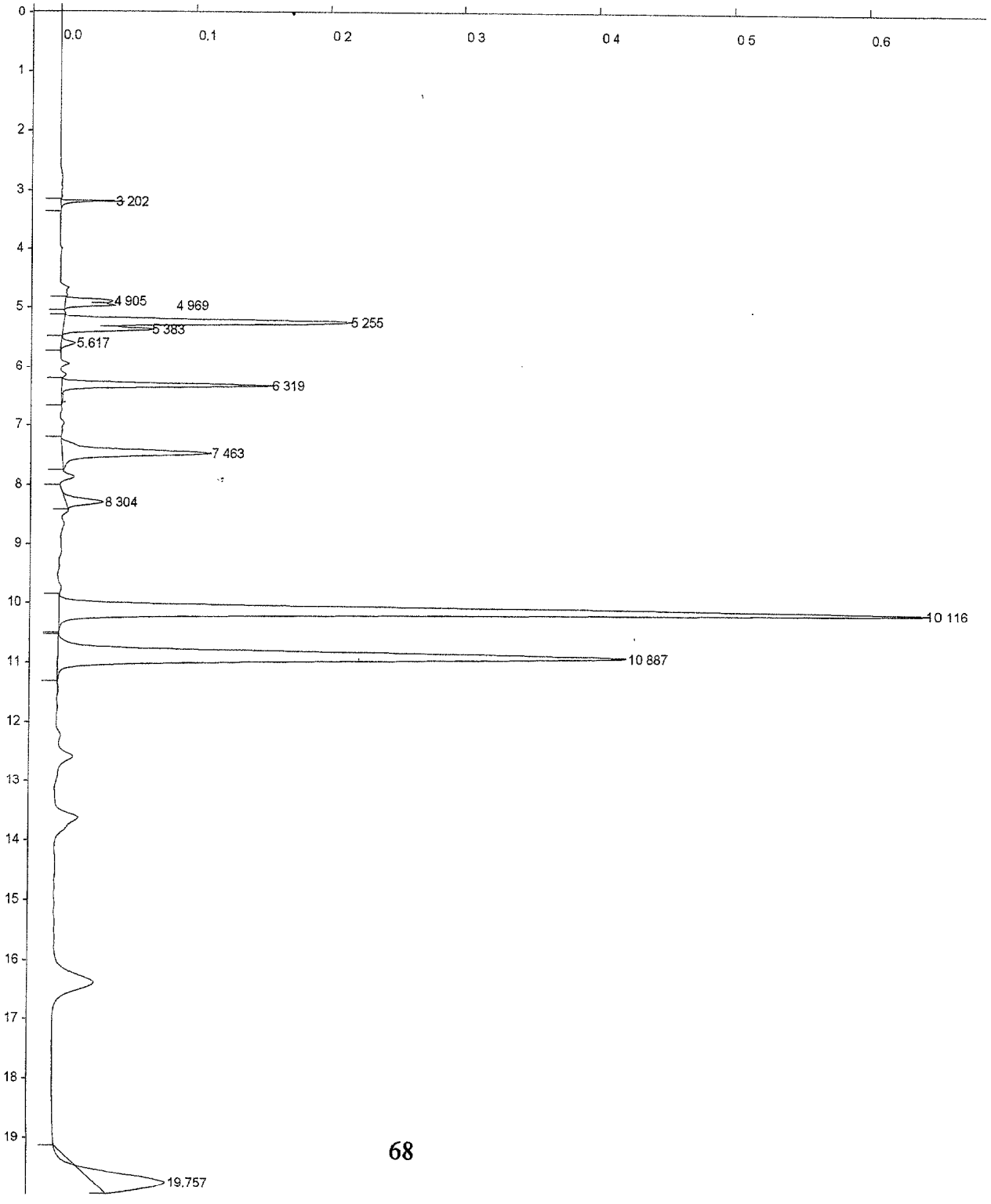
Injection Date: 12/16/2003 3:02 PM Calculation Date: 12/16/2003 4:01 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 614 Zero Offset = 2%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Print Date: Thu Jan 22 16:44:08 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\#1tea-12-16-1.run
Method File : d:\limian\green tea\test1.mth
Sample ID : #1tea-12-16-1

Injection Date: 12/16/2003 3:02 PM Calculation Date: 12/16/2003 4:01 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.5704	3.202	0.000	10464	BB	1.3	
2		1.1029	4.905	0.000	20232	BV	4.8	
3		0.8685	4.969	0.000	15933	VB	4.3	
4		9.0970	5.255	0.000	166883	BV	5.8	
5		2.0875	5.383	0.000	38295	VB	4.9	
6		0.3719	5.617	0.000	6821	BB	4.6	
7		5.0928	6.319	0.000	93425	BB	4.1	
8		6.1128	7.463	0.000	112137	BB	6.6	
9		1.3673	8.304	0.000	25082	BB	7.3	
10		37.2527	10.116	0.000	683390	BB	7.4	
11		30.4529	10.887	0.000	558649	BB	9.3	
12		5.6234	19.757	0.000	103160	BB	21.8	
	Totals:	100.0001		0.000	1834471			

Total Unidentified Counts : 1834472 counts

Detected Peaks: 12 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -14 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 183 microAU

Manual injection

****

Print Date: Thu Jan 22 16:44:38 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\#1tea-12-16-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #1tea-12-16-2

Injection Date: 12/16/2003 4:46 PM Calculation Date: 12/16/2003 5:06 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.6216	3.228	0.000	11450	BB	1.2	
2		2.1001	5.022	0.000	38687	BB	7.4	
3		9.6607	5.320	0.000	177960	BV	5.4	
4		2.0629	5.440	0.000	38001	VB	5.1	
5		5.2302	6.436	0.000	96346	BB	4.2	
6		6.7124	7.643	0.000	123649	BB	6.1	
7		2.2679	8.604	0.000	41777	BB	7.9	
8		38.6941	10.401	0.000	712786	BB	7.4	
9		32.6501	11.212	0.000	601448	BB	9.4	
	Totals:	100.0000		0.000	1842104			

Total Unidentified Counts : 1842104 counts

Detected Peaks: 9 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -45 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 198 microAU

Manual injection

****

Print Date: Thu Jan 22 16:45:12 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\#1tea-12-16-3.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #1tea-12-16-3

Injection Date: 12/16/2003 5:58 PM Calculation Date: 12/16/2003 6:18 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.3196	3.388	0.000	8238	BB	1.5	
2		0.1116	4.905	0.000	2877	BP	2.2	
3		1.8188	5.083	0.000	46884	PB	2.5	
4		7.3212	5.393	0.000	188724	BV	3.1	
5		1.7028	5.507	0.000	43895	VB	3.2	
6		0.3046	5.767	0.000	7852	BB	4.7	
7		0.1596	6.090	0.000	4113	BB	3.8	
8		4.1217	6.476	0.000	106248	BB	3.7	
9		5.2244	7.674	0.000	134673	BB	6.1	
10		0.3539	8.125	0.000	9122	BB	5.5	
11		1.6385	8.554	0.000	42237	BB	7.3	
12		30.8076	10.298	0.000	794154	BB	7.3	
13		27.1125	11.096	0.000	698902	BB	9.4	
14		1.8316	14.166	0.000	47214	BB	12.2	
15		3.7238	16.464	0.000	95992	BB	14.9	
16		13.4480	19.145	0.000	346660	BB	17.3	
	Totals:	100.0002		0.000	2577785			

Total Unidentified Counts : 2577784 counts

Detected Peaks: 16 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 53 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 221 microAU

Manual injection

****

Print Date: Thu Jan 22 16:47:39 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\#1tea-12-16-4.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #1tea-12-16-4

Injection Date: 12/16/2003 6:32 PM Calculation Date: 12/16/2003 6:52 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.5530	3.331	0.000	10858	BB	1.4	
2		2.3090	5.015	0.000	45338	BB	2.9	
3		9.4429	5.336	0.000	185412	BV	3.4	
4		2.1331	5.456	0.000	41885	VB	3.4	
5		0.2207	6.042	0.000	4334	BB	3.7	
6		5.2524	6.418	0.000	103132	BB	3.7	
7		6.5452	7.590	0.000	128515	BB	6.2	
8		0.4556	8.056	0.000	8946	BB	5.6	
9		2.2057	8.500	0.000	43309	BB	7.7	
10		38.1822	10.261	0.000	749712	BB	7.2	
11		32.7001	10.991	0.000	642071	BB	8.2	
	Totals:	99.9999		0.000	1963512			

Total Unidentified Counts : 1963513 counts

Detected Peaks: 11 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 23 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 221 microAU

Manual injection

****

Print Date: Thu Jan 22 16:51:12 2004

Title :
Run File : D:\Limian\EGCG\#1tea-12-16-5.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #1tea-12-16-5

Injection Date: 12/16/2003 7:06 PM Calculation Date: 12/16/2003 7:26 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.6793	3.339	0.000	13041	BB	1.3	
2		1.3008	5.141	0.000	24974	BV	3.8	
3		0.8439	5.201	0.000	16201	VB	7.2	
4		9.5106	5.505	0.000	182587	BV	6.0	
5		2.0168	5.623	0.000	38719	VB	5.1	
6		0.2487	5.915	0.000	4774	BB	4.1	
7		5.2373	6.651	0.000	100546	BB	4.2	
8		6.4384	7.859	0.000	123606	BB	5.8	
9		0.4139	8.293	0.000	7946	BB	5.3	
10		2.1150	8.696	0.000	40605	BB	6.6	
11		37.7973	10.332	0.000	725643	BB	7.2	
12		32.3936	11.070	0.000	621902	BB	9.5	
13		1.0044	13.770	0.000	19283	BB	10.5	
	Totals:	100.0000		0.000	1919827			

Total Unidentified Counts : 1919827 counts

Detected Peaks: 13 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 0 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 152 microAU

Manual injection

****

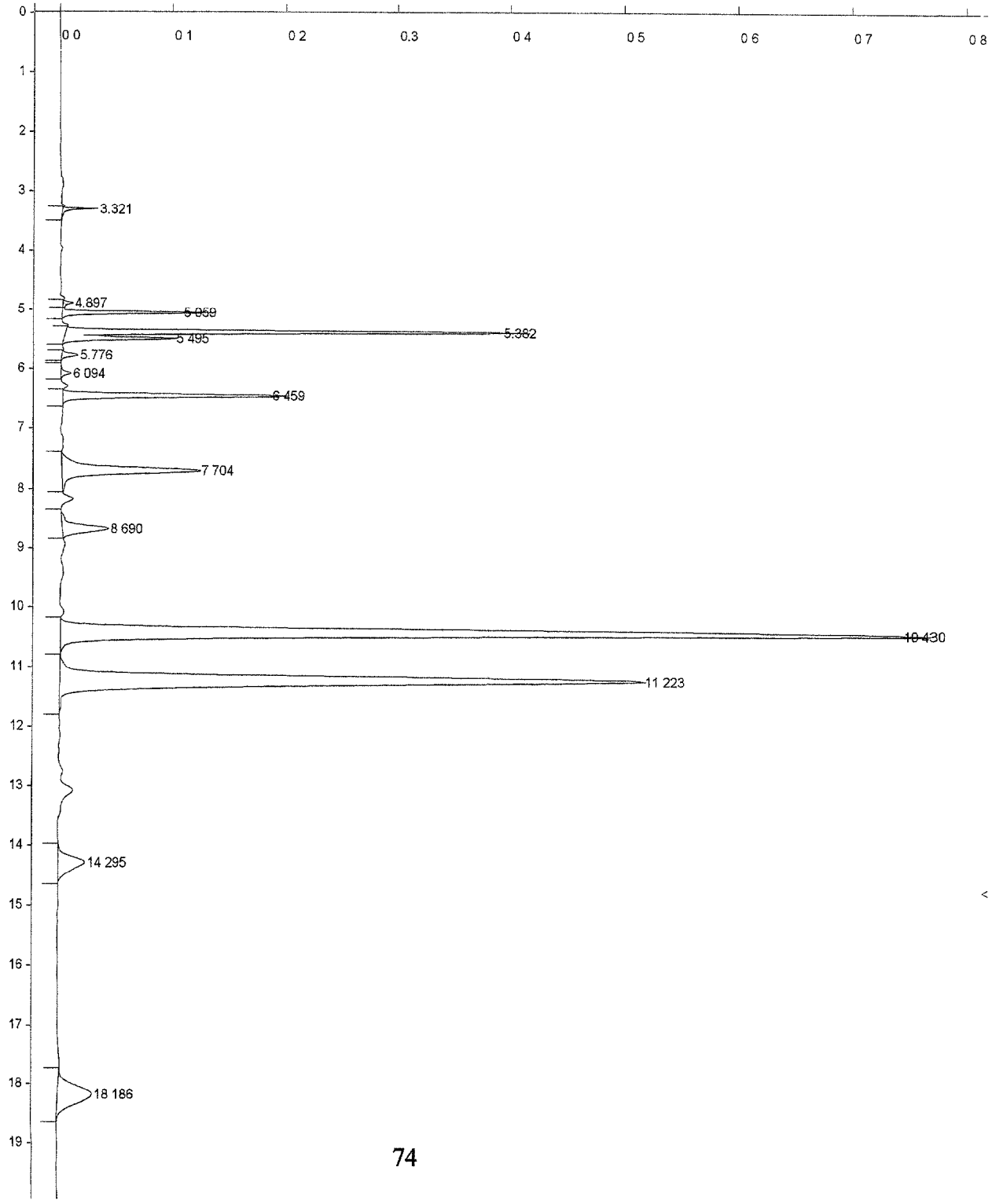
Title :
Run File : D:\Limian\EGCG\#1tea-12-16-6.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #1tea-12-16-6

Injection Date: 12/16/2003 7:38 PM Calculation Date: 12/16/2003 7:58 PM

Operator : limian Detector Type: 9065
Workstation: Bus Address : 4
Instrument : VARIAN 9065 Sample Rate : 2.71 Hz
Channel : 18 = 273 nm Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 731 Zero Offset = 2%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Print Date: Thu Jan 22 16:51:27 2004

Title :
Run File : D:\Limian\EGCG\#1tea-12-16-6.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #1tea-12-16-6

Injection Date: 12/16/2003 7:38 PM Calculation Date: 12/16/2003 7:58 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.3287	3.321	0.000	7162	BB	1.3	
2		0.1626	4.897	0.000	3543	BV	2.4	
3		2.2474	5.059	0.000	48974	VB	2.5	
4		8.6088	5.382	0.000	187599	BV	3.2	
5		2.1549	5.495	0.000	46959	VB	3.3	
6		0.3184	5.776	0.000	6938	BB	3.4	
7		0.2088	6.094	0.000	4549	BB	3.8	
8		4.9485	6.459	0.000	107834	BB	3.8	
9		6.0230	7.704	0.000	131250	BB	6.9	
10		2.1081	8.690	0.000	45938	BB	7.9	
11		36.1562	10.430	0.000	787895	BB	7.2	
12		30.9509	11.223	0.000	674465	BB	9.0	
13		2.0764	14.295	0.000	45248	BB	13.3	
14		3.7074	18.186	0.000	80789	BB	18.9	
	Totals:	100.0001		0.000	2179143			

Total Unidentified Counts : 2179143 counts

Detected Peaks: 14 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 351 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 183 microAU

Manual injection

****

Title :
Run File : D:\Limian\EGCG\#2tea-12-17-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #2tea-12-17-1

2 tea

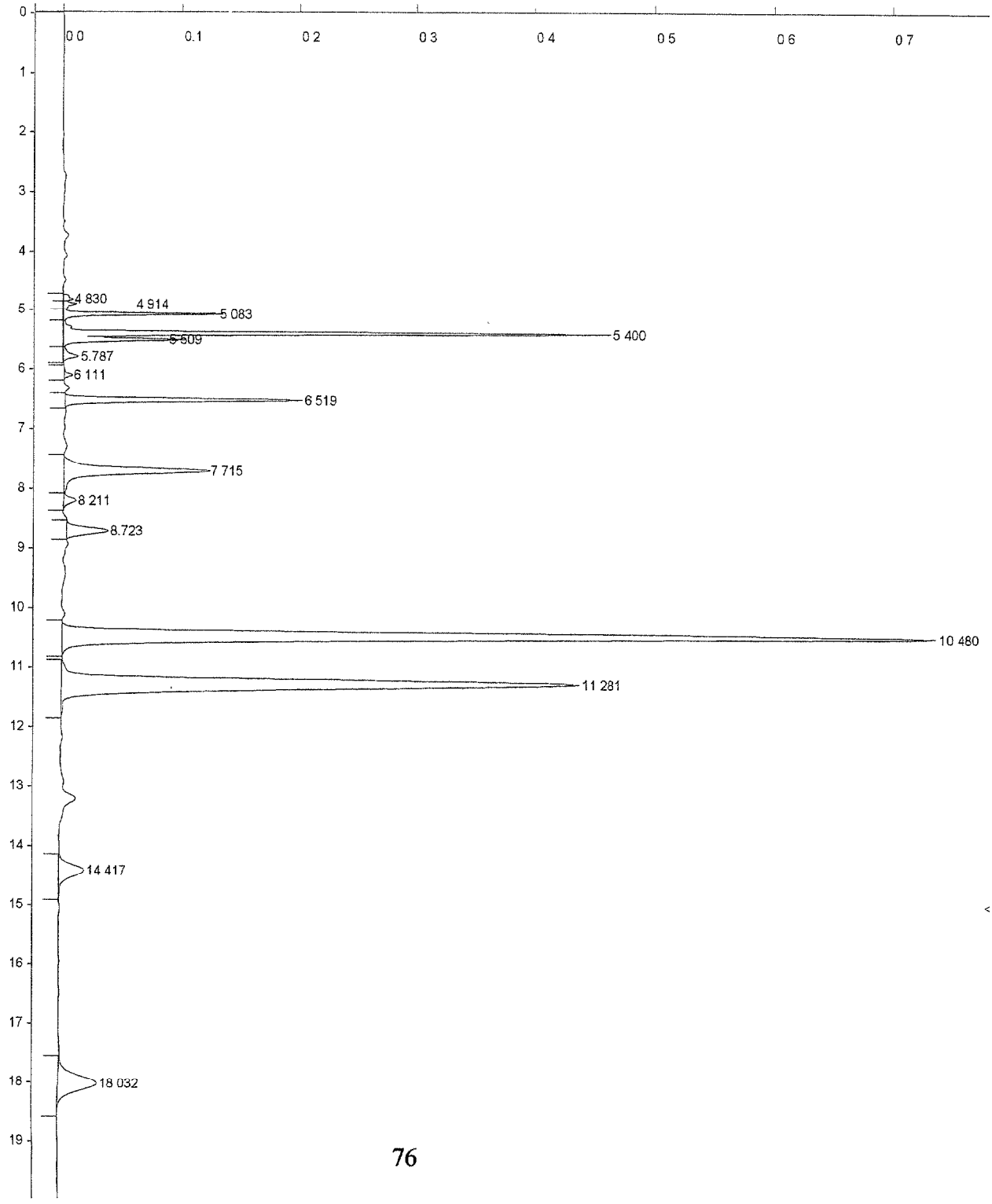
Injection Date: 12/17/2003 1:20 PM Calculation Date: 12/17/2003 1:40 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 699 Zero Offset = 2%
Start Time = 0.000 min End Time = 19.980 min Min / Tick = 1.00



Print Date: Fri Jan 23 09:39:51 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\#2tea-12-17-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #2tea-12-17-1

Injection Date: 12/17/2003 1:20 PM Calculation Date: 12/17/2003 1:40 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.2435	4.830	0.000	5078	BV	8.1	
2		0.3025	4.914	0.000	6310	VV	3.1	
3		2.3369	5.083	0.000	48745	VV	2.4	
4		9.4959	5.400	0.000	198075	VV	2.9	
5		2.3108	5.509	0.000	48201	VV	3.2	
6		0.4535	5.787	0.000	9460	VB	4.8	
7		0.1856	6.111	0.000	3872	BB	3.6	
8		5.1509	6.519	0.000	107443	BB	3.8	
9		6.1110	7.715	0.000	127469	BB	6.7	
10		0.4272	8.211	0.000	8911	BB	6.0	
11		1.6504	8.723	0.000	34425	BB	7.3	
12		36.7618	10.480	0.000	766815	BB	7.3	
13		28.9735	11.281	0.000	604358	BB	9.7	
14		1.8575	14.417	0.000	38746	BB	12.9	
15		3.7391	18.032	0.000	77994	BB	16.4	
	Totals:	100.0001		0.000	2085902			

Total Unidentified Counts : 2085903 counts

Detected Peaks: 15 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -22 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 137 microAU

Manual injection

****

Print Date: Fri Jan 23 09:41:34 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\#2 tea-12-17-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #2 tea-12-17-2

Injection Date: 12/17/2003 2:10 PM Calculation Date: 12/17/2003 2:30 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.1914	4.818	0.000	3366	BP	2.2	
2		2.3643	4.988	0.000	41588	PB	2.4	
3		9.2805	5.313	0.000	163241	BV	2.8	
4		2.3605	5.421	0.000	41521	VB	3.1	
5		0.4150	5.694	0.000	7300	BB	4.1	
6		0.2320	6.022	0.000	4081	BB	3.8	
7		5.3438	6.411	0.000	93995	BB	3.6	
8		6.4204	7.602	0.000	112934	BB	6.2	
9		2.1369	8.589	0.000	37587	BB	7.3	
10		38.9905	10.319	0.000	685832	BB	7.6	
11		32.2647	11.104	0.000	567526	BB	9.8	
	Totals:	100.0000		0.000	1758971			

Total Unidentified Counts : 1758971 counts

Detected Peaks: 11 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -98 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 198 microAU

Manual injection

****

Print Date: Fri Jan 23 09:42:26 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\#2tea-12-17-3.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #2tea-12-17-3

Injection Date: 12/17/2003 2:59 PM Calculation Date: 12/17/2003 3:20 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.2754	4.803	0.000	5226	BV	9.4	
2		0.3092	4.875	0.000	5868	VV	3.4	
3		2.3439	5.043	0.000	44487	VV	2.4	
4		9.3937	5.361	0.000	178292	VV	2.8	
5		2.3182	5.466	0.000	43999	VV	3.3	
6		0.4759	5.748	0.000	9033	VP	3.2	
7		0.2161	6.047	0.000	4101	TS	0.0	
8		5.3680	6.454	0.000	101884	PB	3.9	
9		6.3453	7.628	0.000	120434	BB	6.2	
10		0.4271	8.135	0.000	8107	BB	5.8	
11		2.0467	8.642	0.000	38845	BB	7.2	
12		36.8254	10.392	0.000	698941	BB	7.2	
13		31.6250	11.121	0.000	600238	BB	9.4	
14		2.0300	13.833	0.000	38530	BB	0.0	
	Totals:	99.9999		0.000	1897985			

Total Unidentified Counts : 1897985 counts

Detected Peaks: 14 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -7 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 167 microAU

Manual injection

****

Title :
Run File : D:\Limian\EGCG\#2tea-12-17-4.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #2tea-12-17-4

Injection Date: 12/17/2003 3:41 PM Calculation Date: 12/17/2003 4:01 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.1348	4.841	0.000	2665	BV	2.3	
2		2.0660	5.000	0.000	40833	VB	2.4	
3		9.2345	5.302	0.000	182508	BV	2.7	
4		2.0431	5.403	0.000	40379	VB	3.3	
5		0.2589	5.658	0.000	5118	BB	3.3	
6		0.2060	5.971	0.000	4072	BB	3.8	
7		5.0765	6.328	0.000	100331	BB	3.6	
8		6.2810	7.518	0.000	124136	BB	6.5	
9		2.1455	8.462	0.000	42403	BB	8.5	
10		37.2181	10.270	0.000	735566	BB	7.6	
11		31.2314	11.044	0.000	617247	BB	9.8	
12		4.1039	17.789	0.000	81108	BB	18.8	
	Totals:	99.9997		0.000	1976366			

Total Unidentified Counts : 1976365 counts

Detected Peaks: 12 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 53 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 144 microAU

Manual injection

****

Print Date: Fri Jan 23 09:43:55 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\#2tea-12-17-5.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #2tea-12-17-5

Injection Date: 12/17/2003 4:24 PM Calculation Date: 12/17/2003 4:44 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.1245	4.754	0.000	2471	BV	2.5	
2		0.2646	4.844	0.000	5249	VV	3.1	
3		2.1332	5.012	0.000	42327	VV	2.4	
4		8.8290	5.332	0.000	175189	VV	2.9	
5		2.1464	5.425	0.000	42589	VV	3.6	
6		0.4066	5.733	0.000	8068	VB	4.0	
7		4.9388	6.474	0.000	97998	BB	3.7	
8		6.1382	7.688	0.000	121797	BB	6.7	
9		1.8093	8.708	0.000	35901	BB	7.4	
10		35.9548	10.451	0.000	713432	BB	7.5	
11		31.4805	11.243	0.000	624650	BB	9.7	
12		1.9803	14.387	0.000	39294	BB	13.7	
13		3.7937	18.175	0.000	75277	BB	18.1	
	Totals:	99.9999		0.000	1984242			

Total Unidentified Counts : 1984244 counts

Detected Peaks: 13 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 38 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 167 microAU

Manual injection

****

Title :
Run File : D:\Limian\EGCG\#3tea-12-17-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #3tea-12-17-1

#3 tea

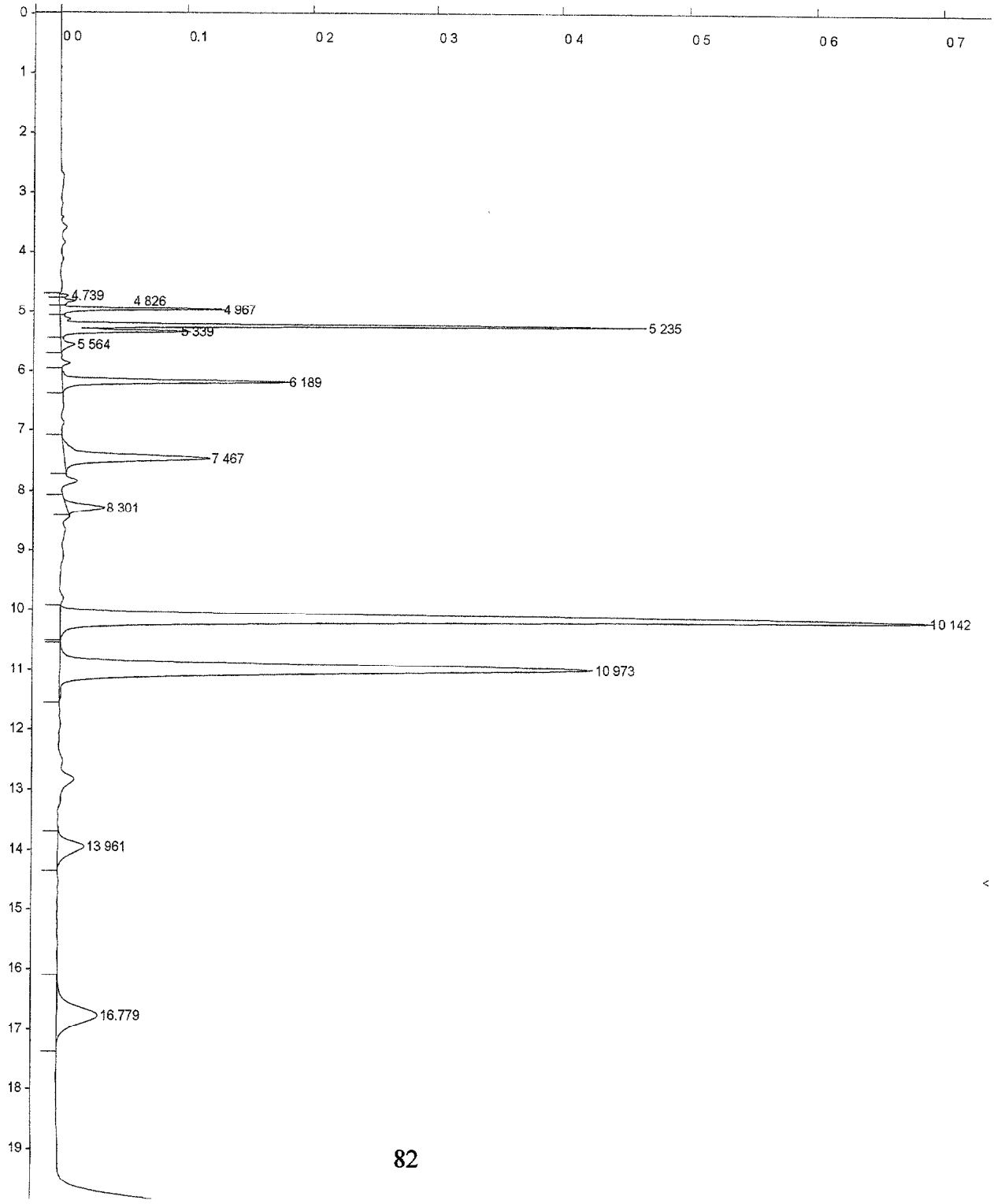
Injection Date: 12/17/2003 6:09 PM Calculation Date: 12/17/2003 6:29 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 658 Zero Offset = 2%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Print Date: Fri Jan 23 09:46:27 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\#3tea-12-17-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #3tea-12-17-1

Injection Date: 12/17/2003 6:09 PM Calculation Date: 12/17/2003 6:29 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.1392	4.739	0.000	2741	BV	2.4	
2		0.3388	4.826	0.000	6670	VV	2.9	
3		2.2924	4.967	0.000	45131	VV	2.1	
4		9.3230	5.235	0.000	183543	VV	2.7	
5		2.1873	5.339	0.000	43063	VV	2.9	
6		0.4339	5.564	0.000	8541	VB	5.7	
7		5.1862	6.189	0.000	102102	BB	3.8	
8		5.8123	7.467	0.000	114429	BB	6.6	
9		1.3347	8.301	0.000	26277	BB	6.9	
10		36.7479	10.142	0.000	723465	BB	7.3	
11		29.9400	10.973	0.000	589436	BB	9.7	
12		1.9017	13.961	0.000	37439	BB	12.8	
13		4.3625	16.779	0.000	85885	BB	18.0	
	Totals:	99.9999		0.000	1968722			

Total Unidentified Counts : 1968724 counts

Detected Peaks: 13 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 206 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 122 microAU

Manual injection

****

Print Date: Fri Jan 23 09:47:23 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\#3tea-12-17-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #3tea-12-17-2

Injection Date: 12/17/2003 7:10 PM Calculation Date: 12/17/2003 7:30 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.2997	4.922	0.000	5996	BV	2.3	
2		2.2914	5.082	0.000	45840	VV	2.2	
3		9.5331	5.410	0.000	190711	VV	2.8	
4		2.2233	5.512	0.000	44478	VV	3.5	
5		0.4412	5.818	0.000	8826	VB	3.7	
6		0.2385	6.149	0.000	4772	BB	3.9	
7		5.1244	6.527	0.000	102514	BB	3.7	
8		6.5097	7.753	0.000	130228	BB	6.7	
9		0.4576	8.216	0.000	9155	BB	5.8	
10		2.0721	8.725	0.000	41452	BB	8.1	
11		38.3157	10.519	0.000	766511	BB	7.6	
12		32.4933	11.350	0.000	650033	BB	10.1	
	Totals:	100.0000		0.000	2000516			

Total Unidentified Counts : 2000514 counts

Detected Peaks: 12 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 435 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 289 microAU

Manual injection

****

Print Date: Fri Jan 23 09:47:54 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\#3tea-12-17-3.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #3tea-12-17-3

Injection Date: 12/17/2003 7:42 PM Calculation Date: 12/17/2003 8:03 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.1474	4.844	0.000	3332	BV	2.1	
2		2.0806	5.005	0.000	47027	VB	2.3	
3		8.5009	5.319	0.000	192145	BV	2.8	
4		1.9927	5.419	0.000	45041	VB	3.2	
5		0.3076	5.720	0.000	6952	BB	3.4	
6		0.2181	6.047	0.000	4930	BB	3.7	
7		4.9747	6.436	0.000	112442	BB	3.8	
8		6.3201	7.632	0.000	142854	BB	6.6	
9		0.4024	8.123	0.000	9096	BB	5.7	
10		1.9830	8.614	0.000	44822	BB	7.0	
11		36.0391	10.335	0.000	814590	BB	7.3	
12		30.6985	11.071	0.000	693875	BB	9.3	
13		1.9555	14.106	0.000	44201	BB	15.5	
14		4.3793	17.702	0.000	98985	BB	18.5	
	Totals:	99.9999		0.000	2260292			

Total Unidentified Counts : 2260293 counts

Detected Peaks: 14 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 435 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 267 microAU

Manual injection

****

Print Date: Fri Jan 23 09:49:55 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\#3tea-12-17-4.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #3tea-12-17-4

Injection Date: 12/17/2003 8:10 PM Calculation Date: 12/17/2003 8:31 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.1725	4.853	0.000	3737	BV	2.1	
2		2.0990	5.014	0.000	45471	VB	2.2	
3		8.4850	5.329	0.000	183812	BV	2.7	
4		2.0944	5.429	0.000	45372	VB	3.2	
5		0.3254	5.726	0.000	7049	BB	3.4	
6		0.2024	6.049	0.000	4385	BB	3.8	
7		4.9771	6.416	0.000	107820	BB	3.8	
8		6.1648	7.646	0.000	133548	BB	6.5	
9		0.3970	8.118	0.000	8600	BB	5.6	
10		1.9975	8.625	0.000	43271	BB	7.4	
11		36.0621	10.409	0.000	781220	BB	7.4	
12		30.7647	11.204	0.000	666461	BB	9.1	
13		1.9835	14.359	0.000	42969	BB	13.4	
14		4.2746	17.773	0.000	92602	BB	15.7	
	Totals:	100.0000		0.000	2166317			

Total Unidentified Counts : 2166318 counts

Detected Peaks: 14 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 420 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 350 microAU

Manual injection

****

Print Date: Fri Jan 23 09:50:39 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\#3tea-12-17-5.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : #3tea-12-17-5

Injection Date: 12/17/2003 8:39 PM Calculation Date: 12/17/2003 8:59 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.1471	4.905	0.000	3012	BV	2.1	
2		2.0556	5.072	0.000	42106	VB	2.2	
3		8.6661	5.397	0.000	177514	BV	2.8	
4		2.0044	5.495	0.000	41059	VB	3.3	
5		0.2913	5.809	0.000	5967	BB	3.3	
6		0.1818	6.134	0.000	3724	BB	3.6	
7		5.1103	6.511	0.000	104679	BB	3.7	
8		5.9718	7.774	0.000	122326	BB	6.3	
9		0.4459	8.244	0.000	9134	BB	6.0	
10		1.7645	8.760	0.000	36144	BB	7.3	
11		37.0445	10.502	0.000	758813	BB	7.7	
12		32.4716	11.348	0.000	665142	BB	9.7	
13		3.8451	18.415	0.000	78763	BB	16.1	
	Totals:	100.0000		0.000	2048383			

Total Unidentified Counts : 2048383 counts

Detected Peaks: 13 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 359 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 320 microAU

Manual injection

****

Title :
Run File : D:\Limian\EGCG\a-tea-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : A-tea-2

A - tea

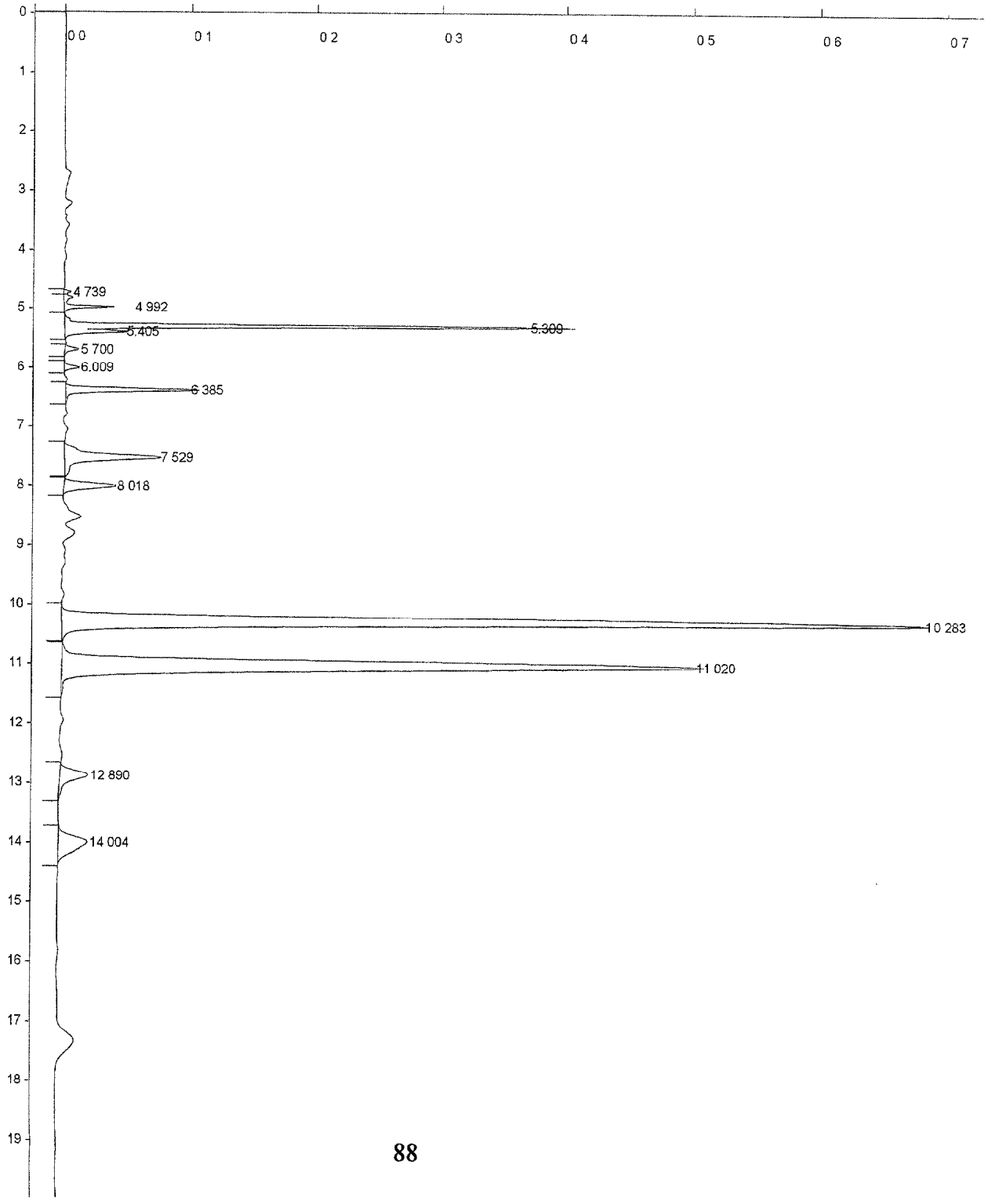
Injection Date: 12/18/2003 1:37 PM Calculation Date: 12/18/2003 1:57 PM

Operator : limian
Workstation: MS-DOS_6
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 655 Zero Offset = 3%
Start Time = 0.000 min End Time = 19.980 min Min / Tick = 1.00



Print Date: Fri Jan 23 09:52:07 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\a-tea-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : A-tea-2

Injection Date: 12/18/2003 1:37 PM Calculation Date: 12/18/2003 1:57 PM

Operator : limian
Workstation: MS-DOS_6
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu. Codes
1		0.1098	4.739	0.000	2165	BV	2.4	
2		0.9499	4.992	0.000	18729	VV	2.4	
3		8.5222	5.309	0.000	168025	VV	2.8	
4		1.1598	5.405	0.000	22867	VB	3.8	
5		0.2835	5.700	0.000	5589	BB	3.6	
6		0.3100	6.009	0.000	6112	BB	3.6	
7		2.9625	6.385	0.000	58409	BB	3.8	
8		4.0713	7.529	0.000	80270	BB	6.3	
9		1.7665	8.018	0.000	34828	BB	6.1	
10		38.9954	10.283	0.000	768839	BB	8.0	
11		36.6338	11.020	0.000	722276	BB	10.1	
12		1.7755	12.890	0.000	35007	BB	10.2	
13		2.4598	14.004	0.000	48498	BB	0.0	
	Totals:	100.0000		0.000	1971614			

Total Unidentified Counts : 1971614 counts

Detected Peaks: 13 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 107 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 183 microAU

Manual injection

****

Print Date: Fri Jan 23 09:53:01 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\a-tea-3.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : A-tea-3

Injection Date: 12/18/2003 2:12 PM Calculation Date: 12/18/2003 2:32 PM

Operator : limian
Workstation: MS-DOS_6
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.6499	4.953	0.000	12111	BB	2.3	
2		8.5972	5.269	0.000	160219	BV	2.8	
3		1.1248	5.365	0.000	20963	VB	3.7	
4		0.2571	5.646	0.000	4791	BB	3.3	
5		0.2833	5.955	0.000	5280	BB	3.7	
6		2.9419	6.324	0.000	54827	BB	3.7	
7		4.0394	7.490	0.000	75280	BB	6.8	
8		1.6879	7.975	0.000	31457	BB	6.4	
9		39.6927	10.242	0.000	739726	BB	7.9	
10		36.4241	11.016	0.000	678810	BB	10.2	
11		1.7826	13.000	0.000	33222	BB	10.0	
12		2.5190	14.215	0.000	46946	BB	14.7	
	Totals:	99.9999		0.000	1863632			

Total Unidentified Counts : 1863632 counts

Detected Peaks: 12 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 160 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 183 microAU

Manual injection

****

Print Date: Fri Jan 23 09:54:00 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\a-tea-4.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : A-tea-4

Injection Date: 12/18/2003 2:44 PM Calculation Date: 12/18/2003 3:04 PM

Operator : limian
Workstation: MS-DOS_6
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.1046	4.808	0.000	2141	BV	2.2	
2		0.7000	4.955	0.000	14325	VB	2.1	
3		8.4933	5.279	0.000	173815	BV	2.8	
4		1.1259	5.376	0.000	23042	VB	3.6	
5		0.2960	5.673	0.000	6058	BB	3.5	
6		0.3137	5.993	0.000	6421	BB	3.8	
7		2.9294	6.375	0.000	59951	BB	3.8	
8		3.7007	7.513	0.000	75736	BB	6.4	
9		1.6523	7.974	0.000	33814	BB	5.9	
10		38.9871	10.121	0.000	797872	BB	7.6	
11		37.3914	10.854	0.000	765216	BB	10.0	
12		1.7046	12.730	0.000	34886	BB	9.7	
13		2.6008	13.843	0.000	53225	BB	18.9	
	Totals:	99.9998		0.000	2046502			

Total Unidentified Counts : 2046501 counts

Detected Peaks: 13 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 366 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 205 microAU

Manual injection

****

Print Date: Fri Jan 23 09:54:23 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\a-tea-5.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : A-tea-5

Injection Date: 12/18/2003 3:49 PM Calculation Date: 12/18/2003 4:09 PM

Operator : limian
Workstation: MS-DOS_6
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.6541	5.075	0.000	14378	BB	2.4	
2		7.9524	5.396	0.000	174796	BV	2.9	
3		1.1124	5.490	0.000	24450	VB	3.5	
4		0.3784	5.786	0.000	8317	BB	4.2	
5		0.2737	6.085	0.000	6015	BB	3.6	
6		2.8016	6.495	0.000	61580	BB	3.9	
7		3.9754	7.647	0.000	87381	BB	6.6	
8		1.6054	8.126	0.000	35286	BB	5.7	
9		0.8212	8.612	0.000	18049	BB	8.6	
10		37.1928	10.389	0.000	817508	BB	7.7	
11		36.7067	11.148	0.000	806824	BB	9.5	
12		1.7677	13.019	0.000	38855	BB	10.0	
13		2.6974	14.176	0.000	59290	BB	17.0	
14		2.0609	17.775	0.000	45299	BB	19.8	
	Totals:	100.0001		0.000	2198028			

Total Unidentified Counts : 2198028 counts

Detected Peaks: 14 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 8 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 198 microAU

Manual injection

****

Print Date: Fri Jan 23 09:54:42 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\a-tea-6.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : A-tea-6

Injection Date: 12/19/2003 1:55 PM Calculation Date: 12/19/2003 2:15 PM

Operator : limian
Workstation:
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.1251	5.041	0.000	2437	BV	2.4	
2		0.9670	5.284	0.000	18838	VV	2.6	
3		8.4994	5.597	0.000	165571	VV	2.8	
4		1.1750	5.693	0.000	22890	VB	3.8	
5		0.2829	5.982	0.000	5512	BB	3.5	
6		0.2939	6.304	0.000	5726	BB	3.8	
7		2.8568	6.692	0.000	55652	BB	3.8	
8		3.9754	7.885	0.000	77442	BB	6.5	
9		1.6952	8.370	0.000	33023	BB	6.1	
10		38.5688	10.716	0.000	751335	BB	8.0	
11		37.0962	11.502	0.000	722648	BB	9.5	
12		1.7969	13.430	0.000	35005	BB	11.1	
13		2.6673	14.640	0.000	51960	BB	12.4	
	Totals:	99.9999		0.000	1948039			

Total Unidentified Counts : 1948039 counts

Detected Peaks: 13 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 38 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 167 microAU

Manual injection

****

Title :
Run File : D:\Limian\EGCG\b-tea-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : B-tea-1

B-tea

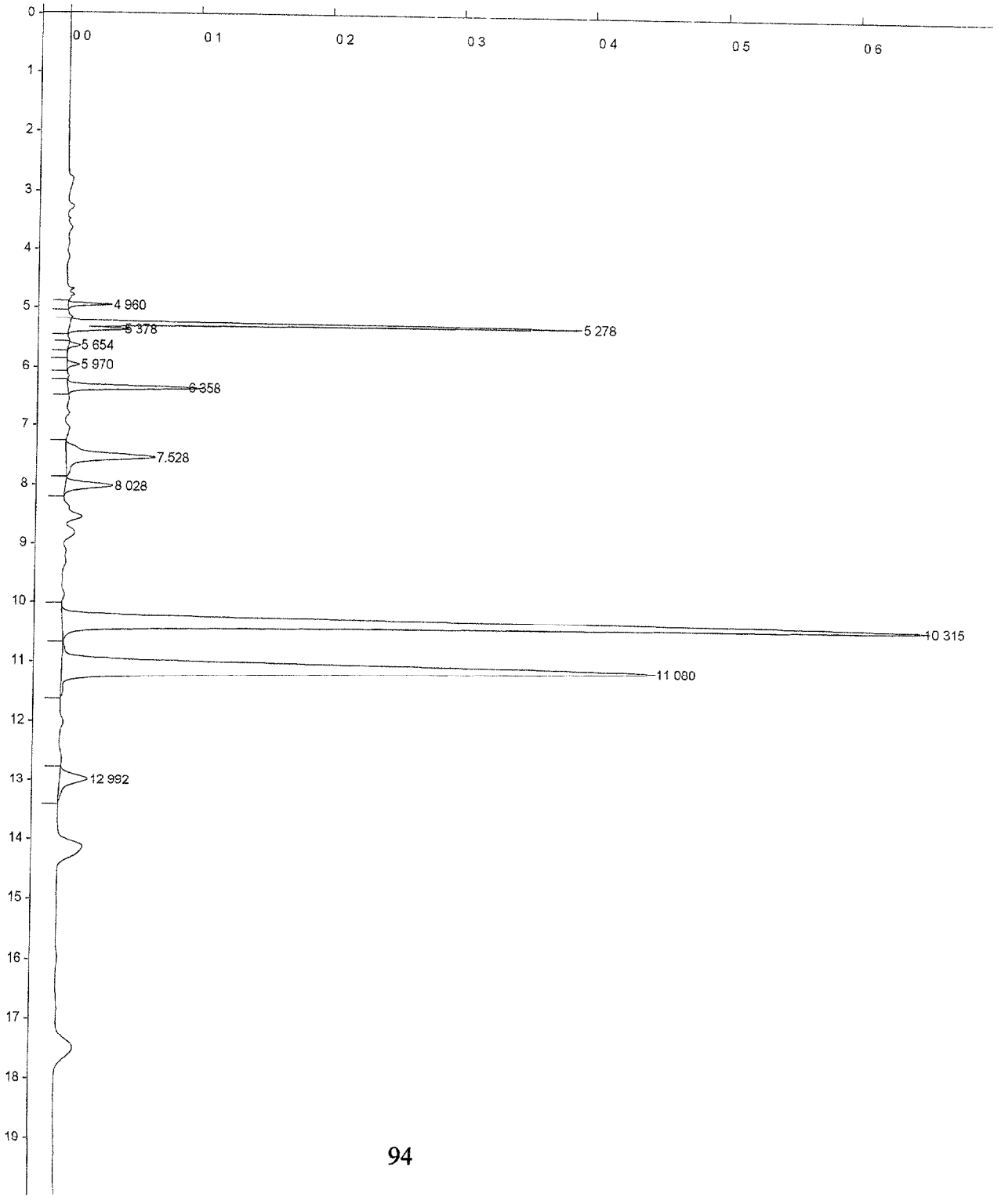
Injection Date: 12/18/2003 4:24 PM Calculation Date: 12/18/2003 4:44 PM

Operator : limian
Workstation: MS-DOS_6
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Chart Speed = 0.99 cm/min Attenuation = 624 Zero Offset = 2%
Start Time = 0.000 min End Time = 19.970 min Min / Tick = 1.00



Print Date: Fri Jan 23 09:56:06 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\b-tea-1.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : B-tea-1

Injection Date: 12/18/2003 4:24 PM Calculation Date: 12/18/2003 4:44 PM

Operator : limian
Workstation: MS-DOS_6
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Status Codes
1		0.6407	4.960	0.000	11343	BB	2.4	
2		8.9078	5.278	0.000	157690	BV	2.8	
3		1.1339	5.378	0.000	20073	VB	3.6	
4		0.2365	5.654	0.000	4187	BB	3.4	
5		0.2701	5.970	0.000	4782	BB	3.8	
6		3.1592	6.358	0.000	55926	BB	3.8	
7		4.2448	7.528	0.000	75143	BB	6.9	
8		1.8423	8.028	0.000	32613	BB	6.4	
9		41.6167	10.315	0.000	736714	BB	7.9	
10		36.0706	11.080	0.000	638536	BB	10.1	
11		1.8772	12.992	0.000	33232	BB	10.2	
	Totals:	99.9998		0.000	1770239			

Total Unidentified Counts : 1770239 counts

Detected Peaks: 11 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: -7 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 152 microAU

Manual injection

****

Print Date: Fri Jan 23 09:56:47 2004 Page 1 of 1

Title :
Run File : D:\Limian\EGCG\b-tea-2.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : B-tea-2

Injection Date: 12/18/2003 4:55 PM Calculation Date: 12/18/2003 5:15 PM

Operator : limian
Workstation: MS-DOS_6
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.986 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.0988	4.884	0.000	2042	BV	2.4	
2		0.7630	5.046	0.000	15769	VB	2.3	
3		8.1632	5.366	0.000	168724	BV	2.8	
4		1.1986	5.456	0.000	24774	VB	3.5	
5		0.3691	5.763	0.000	7629	BB	3.7	
6		0.3366	6.074	0.000	6957	BB	3.8	
7		2.8939	6.466	0.000	59813	BB	3.9	
8		3.9758	7.604	0.000	82175	BB	6.2	
9		1.6961	8.086	0.000	35055	BB	5.9	
10		39.1952	10.394	0.000	810114	BB	7.7	
11		36.6506	11.141	0.000	757521	BB	10.0	
12		1.7830	13.032	0.000	36852	BB	9.8	
13		2.8762	14.220	0.000	59447	BB	16.6	
	Totals:	100.0001		0.000	2066872			

Total Unidentified Counts : 2066873 counts

Detected Peaks: 13 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 84 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 160 microAU

Manual injection

****

Print Date: Fri Jan 23 09:57:15 2004

Title :
Run File : D:\Limian\EGCG\b-tea-3.run
Method File : D:\Limian\green tea\test1.mth
Sample ID : B-tea-3

Injection Date: 12/18/2003 5:29 PM Calculation Date: 12/18/2003 5:49 PM

Operator : limian
Workstation: MS-DOS_6
Instrument : VARIAN 9065
Channel : 18 = 273 nm

Detector Type: 9065
Bus Address : 4
Sample Rate : 2.71 Hz
Run Time : 19.980 min

** Star Chromatography Workstation Version 5.31 ** 00546-2468-70E-2180 **

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: Percent

Peak No.	Peak Name	Result ()	Ret. Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)	Statu Codes
1		0.6351	4.988	0.000	11623	BB	2.2	
2		8.2909	5.300	0.000	151730	BV	2.8	
3		1.0393	5.395	0.000	19019	VB	3.7	
4		0.2799	5.684	0.000	5122	BB	3.5	
5		0.3104	5.985	0.000	5680	BB	3.6	
6		2.8805	6.338	0.000	52715	BB	3.7	
7		4.1276	7.482	0.000	75537	BV	6.0	
8		1.8356	7.900	0.000	33593	VB	6.0	
9		39.0301	10.166	0.000	714280	BB	7.7	
10		37.2264	10.921	0.000	681271	BB	9.5	
11		1.8872	12.844	0.000	34537	BB	11.5	
12		2.4572	14.034	0.000	44969	BB	17.5	
	Totals:	100.0002		0.000	1830076			

Total Unidentified Counts : 1830076 counts

Detected Peaks: 12 Rejected Peaks: 0 Identified Peaks: 0

Multiplier: 1 Divisor: 1 Unidentified Peak Factor: 0

Baseline Offset: 366 microAU

Noise (used): 5000 microAU - fixed value
Noise (monitored before this run): 267 microAU

Manual injection

****