Site: Wells G&H
Break: 7.6
Other: 55.36.29

REMEDIAL ACTION COMPLETION REPORT
DEBRIS, SLUDGE, AND MIXED-CONTAMINANT SOIL REMOVAL

SDMS DocID 553629

APPENDIX V
CLP DATA Packages

VOLUME 6
SDG-19, Soil

Wildwood Property
Wells G & H Superfund Site
Woburn, MA

Prepared For:

BEATRICE COMPANY

Prepared By:

REMEDIATION TECHNOLOGIES, INC.
9 Pond Lane
Concord, MA 01742

RETEC Project No.: 3-0947-730

MARCH 1995

QC sample is within range 22.5 - 27.5

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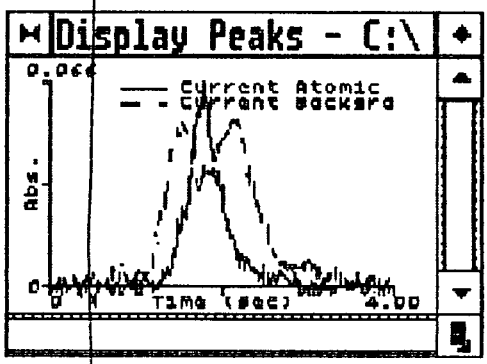
Replicate 2 (Peak Stored) | Time: 13:03
Peak Area (A-s): 0.029 | Peak Height (A): 0.066
Background Pk Area (A-s): 0.062 | Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 9.5 | Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): 9.3 | SD: 0.18 | RSD(%): 1.97
Corrected Conc (mg/kg): ----------

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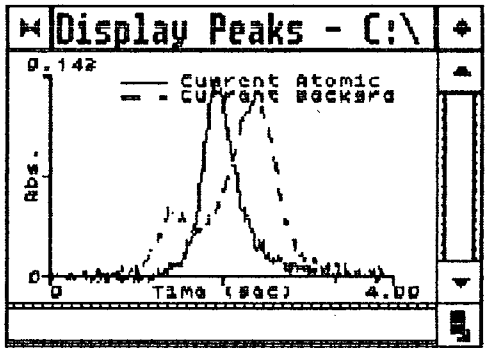
As ID: 1005-02 A11D MS-1D Seq. No.: 00031 A/S Pos.: 19 Date: 10/21/94

uL dispensed: 5 from 1, 4 from 7, 20 from 19
Replicate 1 Time: 13:12
Peak Area (A-s): 0.071 Peak Height (A): 0.139
Background Pk Area (A-s): 0.119 Background Pk Height (A): 0.126
Blank Corrected Pk Area (A-s): 0.068

Concentration (ug/L): 24.7 Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 7, 20 from 19
Replicate 2 (Peak Stored) Time: 13:15
Peak Area (A-s): 0.074 Peak Height (A): 0.143
Background Pk Area (A-s): 0.119 Background Pk Height (A): 0.127
Blank Corrected Pk Area (A-s): 0.071
Concentration (ug/L): 25.9 Corrected Conc (mg/kg): ----------

110.5%



Mean Conc (ug/L): 25.3 SD: 0.84 RSD(%): 3.34
Corrected Conc (mg/kg): ----------

Recovery is 110.8%

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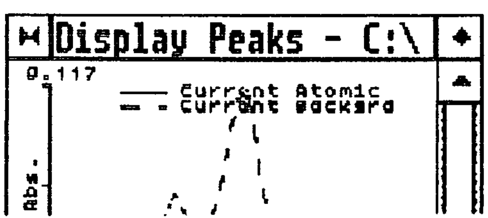
As ID: 1005-02 A11C Seq. No.: 00032 A/S Pos.: 20 Date: 10/21/94
MS-1C
uL dispensed: 4 from 2, 5 from 1, 20 from 20
Replicate 1 Time: 13:18
Peak Area (A-s): 0.008 Peak Height (A): 0.017
Background Pk Area (A-s): 0.094 Background Pk Height (A): 0.120
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 1.8 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 20
Replicate 2 (Peak Stored) Time: 13:21
Peak Area (A-s): 0.008 Peak Height (A): 0.016
Background Pk Area (A-s): 0.095 Background Pk Height (A): 0.117
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 1.6 Corrected Conc (mg/kg): ----------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Mean Conc (ug/L): 1.7 SD: 0.15 RSD(%): 8.95
Corrected Conc (mg/kg): ----------

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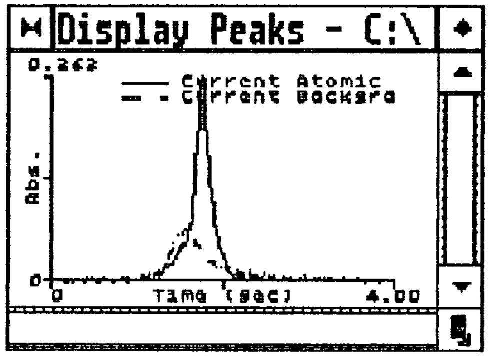
Concentration (ug/L): 24.4 Corrected Conc (mg/kg): -----------



98.4%

Mean Conc (ug/L): 24.6 SD: 0.30 RSD(%): 1.20
Corrected Conc (mg/kg): -----------

QC sample is within range 22.5 - 27.5

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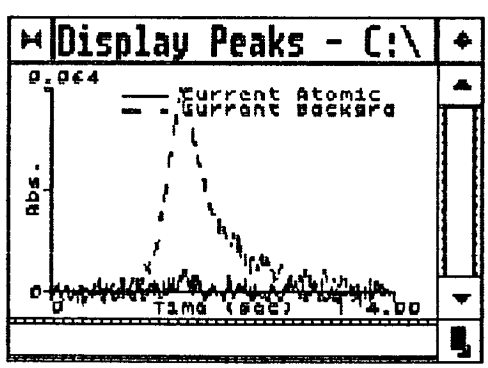
As ID: CCB Seq. No.: 00035 A/S Pos.: 2 Date: 10/21/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 Time: 13:35
Peak Area (A-s): 0.002 Peak Height (A): 0.008
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.4 Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 13:38
Peak Area (A-s): 0.001 Peak Height (A): 0.007
Background Pk Area (A-s): 0.045 Background Pk Height (A): 0.064
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.9 Corrected Conc (mg/kg): -----------



0229

Mean Conc (ug/L): -0.7 SD: 0.32 RSD(%): 49.20
Corrected Conc (mg/kg): ------
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QC sample is within range -10.0 - 10.0

1021AS.DAT (cont.)

AM 10/21/94

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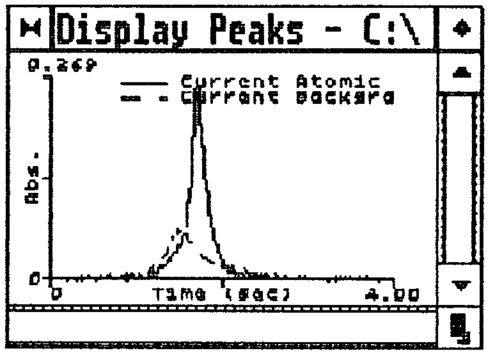

102.4%

Mean Conc (ug/L): 25.6 SD: 0.70 RSD(%): 2.72
Corrected Conc (mg/kg): ------------

QC sample is within range 22.5 - 27.5

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As ID: CCB Seq. No.: 00038 A/S Pos.: 2 Date: 10/21/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 Time: 14:52
Peak Area (A-s): 0.000 Peak Height (A): 0.009
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.065
Blank Corrected Pk Area (A-s): -0.003
Concentration (ug/L): -1.0 Corrected Conc (mg/kg): ------------

uL dispensed: 4 from 2, 5 from 1, 20 from 2
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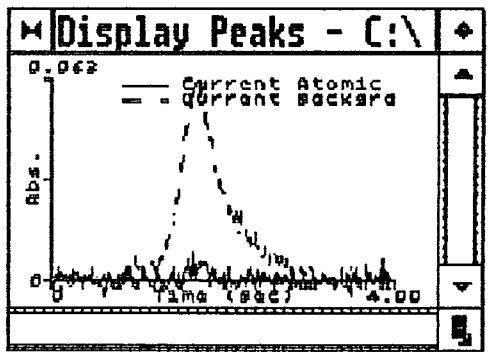
Replicate 2 (Peak Stored)
Peak Area (A-s): 0.002
Background Pk Area (A-s): 0.042
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.4

Time: 14:55
Peak Height (A): 0.009
Background Pk Height (A): 0.063

Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): -0.7 SD: 0.46 RSD(%): 67.58
Corrected Conc (mg/kg): ----------

QC sample is within range -10.0 - 10.0

1020pb.DAT

3
25
50
100

calib stds
J+M

ICV = Spex QC19

Pb
CLP-Soils
E1005-02

JM
10/20/94

Element File: PBCLP.GEL Element: Pb Wavelength: 283.3
Date: 10/20/94 Time: 11:03 Slit: 0.7 L
Data File: 1020PB.DAT ID/Wt File: UNTITLED Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 75

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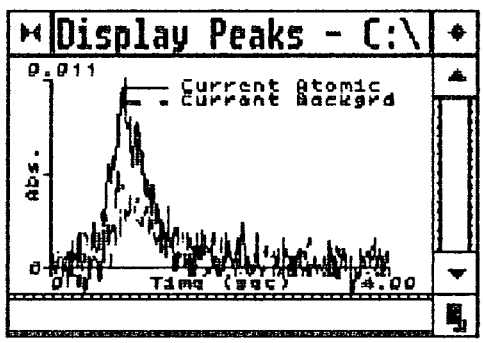
Pb ID: BLANK Seq. No.: 00001 A/S Pos.: 2 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored) Time: 11:06
Peak Area (A-s): 0.005 Peak Height (A): 0.010
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.2

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 11:08
Peak Area (A-s): 0.005 Peak Height (A): 0.011
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): -0.3



Mean Conc (ug/L): -0.2 SD: 0.05 RSD(%): 18.50

Auto-zero performed.

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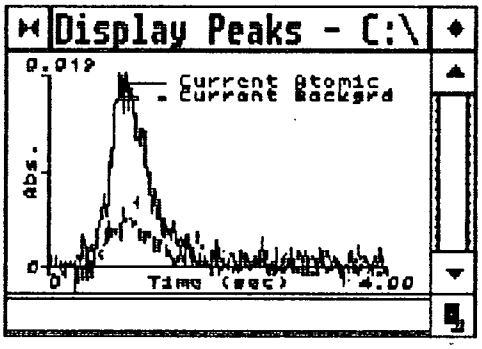
Pb ID: 3 PPB STD Seq. No.: 00002 A/S Pos.: 3 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 1 (Peak Stored) Time: 11:11
Peak Area (A-s): 0.010 Peak Height (A): 0.020
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.005
Concentration (ug/L): 0.6

0234

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 2 (Peak Stored) Time: 11:14
Peak Area (A-s): 0.011 Peak Height (A): 0.019
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.006

Concentration (ug/L): 1.0



Mean Conc (ug/L): 0.8 SD: 0.29 RSD(%): 36.11

Standard number 1 applied. [3.0]
Correlation coefficient: 1.00000 Slope: 0.0017 Int: 0.000

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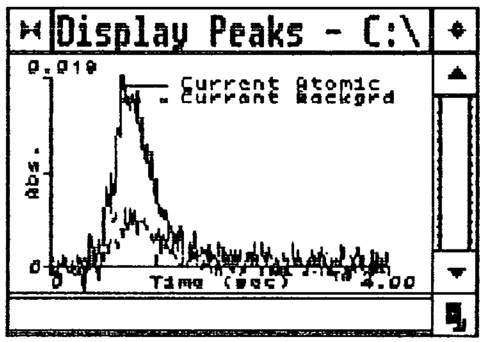
Pb ID: 5 PPB STD Seq. No.: 00004 A/S Pos.: 3 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 1 (Peak Stored) Time: 11:23

Peak Area (A-s): 0.010 Peak Height (A): 0.018
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 4.8

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 2 (Peak Stored) Time: 11:25
Peak Area (A-s): 0.010 Peak Height (A): 0.018
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 4.8



Mean Conc (ug/L): 4.8 SD: 0.03 RSD(%): 0.71

Standard number 1 applied. [3.0]
Correlation coefficient: 1.000000 Slope: 0.0027 Int: 0.000

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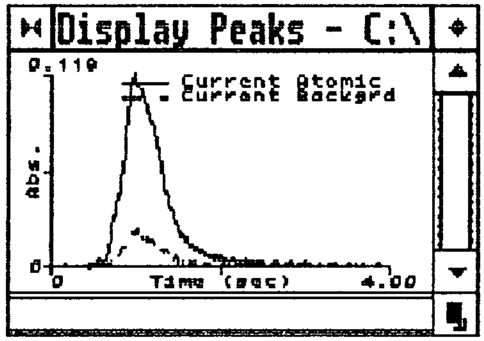
Pb ID: 25 PPB STD Seq. No.: 00005 A/S Pos.: 4 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 (Peak Stored) Time: 11:28
Peak Area (A-s): 0.067 Peak Height (A): 0.119
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.065
Concentration (ug/L): 24.0

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored) Time: 11:31
Peak Area (A-s): 0.067 Peak Height (A): 0.118
Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.065
Concentration (ug/L): 24.2
~~~~~~



Mean Conc (ug/L): 24.1 SD: 0.14 RSD(%): 0.56

Standard number 2 applied. [25.0]
Correlation coefficient: 0.99999 Slope: 0.0026 Int: 0.000

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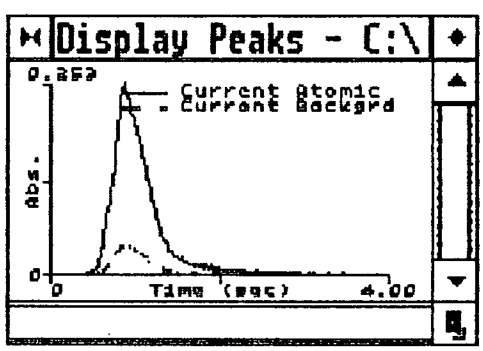
Pb ID: 50 PPB STD Seq. No.: 00006 A/S Pos.: 5 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 1 (Peak Stored) Time: 11:34
Peak Area (A-s): 0.131 Peak Height (A): 0.260
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.129
Concentration (ug/L): 49.7

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 2 (Peak Stored) Time: 11:36
Peak Area (A-s): 0.131 Peak Height (A): 0.253
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.129
Concentration (ug/L): 49.6



0237

Mean Conc (ug/L): 49.6 SD: 0.05 RSD(%): 0.10

Standard number 3 applied. [50.0]
Correlation coefficient: 0.99999 Slope: 0.0026 Int: 0.000
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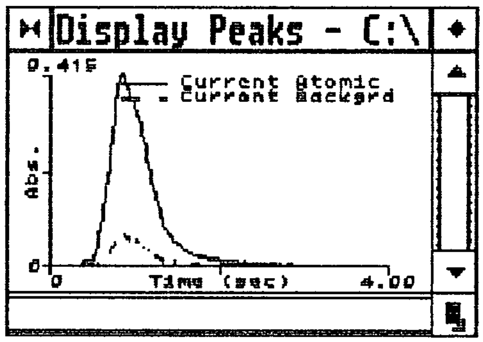
Pb ID: 100 PPB STD Seq. No.: 00007 A/S Pos.: 6 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 6

Replicate 1 (Peak Stored) Time: 11:39
Peak Area (A-s): 0.246 Peak Height (A): 0.416
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.075
Blank Corrected Pk Area (A-s): 0.244
Concentration (ug/L): 94.3

uL dispensed: 4 from 2, 5 from 1, 20 from 6
Replicate 2 (Peak Stored) Time: 11:42
Peak Area (A-s): 0.241 Peak Height (A): 0.415
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.077
Blank Corrected Pk Area (A-s): 0.239
Concentration (ug/L): 92.3



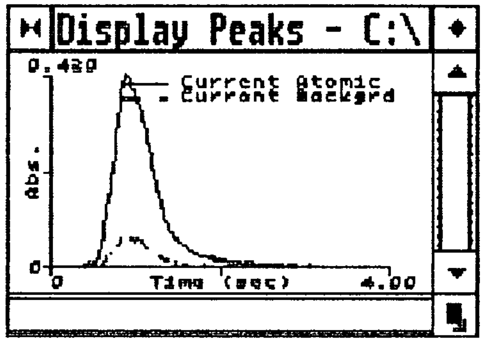
Mean Conc (ug/L): 93.3 SD: 1.41 RSD(%): 1.51

Standard number 4 applied. [100.0]
Correlation coefficient: 0.99929 Slope: 0.0024 Int: 0.003

Pb ID: 100 PPB STD Seq. No.: 00008 A/S Pos.: 6 Date: 10/20/94

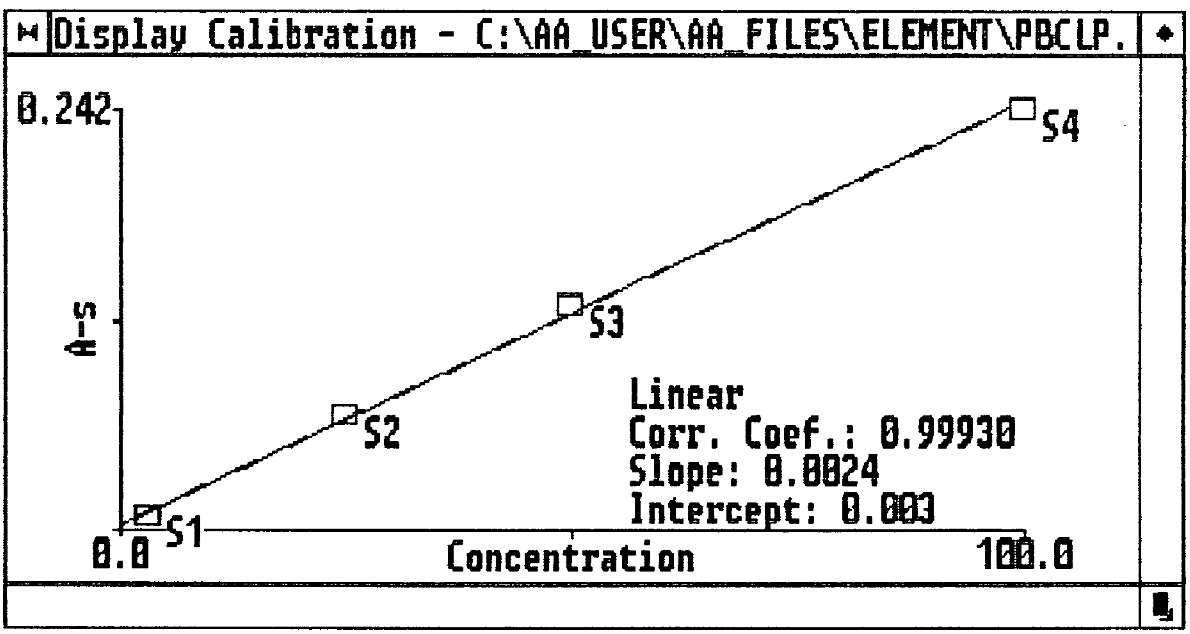
uL dispensed: 4 from 2, 5 from 1, 20 from 6
Replicate 1 (Peak Stored) Time: 11:49
Peak Area (A-s): 0.240 Peak Height (A): 0.415
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.239
Concentration (ug/L): 97.5

uL dispensed: 4 from 2, 5 from 1, 20 from 6
Replicate 2 (Peak Stored) Time: 11:52
Peak Area (A-s): 0.246 Peak Height (A): 0.420
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.245
Concentration (ug/L): 99.9



Mean Conc (ug/L): 98.7 SD: 1.68 RSD(%): 1.71

Standard number 4 applied. [100.0]
Correlation coefficient: 0.99930 Slope: 0.0024 Int: 0.003



Characteristic Mass = 36.0 pg/0.0044 A-s

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Pb ID: ICV Seq. No.: 00009 A/S Pos.: 8 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 8
Replicate 1 (Peak Stored) Time: 12:12
Peak Area (A-s): 0.106 Peak Height (A): 0.199
Background Pk Area (A-s): 0.021 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.104
Concentration (ug/L): 41.8 Corrected Conc (mg/kg): ----------
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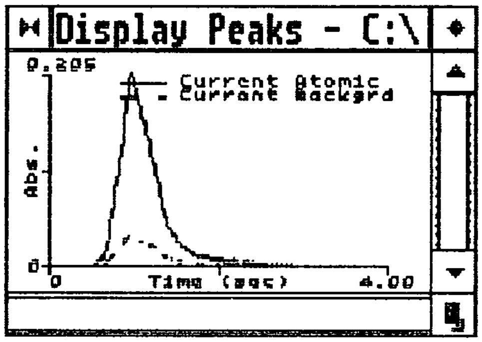
uL dispensed: 4 from 2, 5 from 1, 20 from 8
Replicate 2 (Peak Stored) Time: 12:15
Peak Area (A-s): 0.106 Peak Height (A): 0.205
Background Pk Area (A-s): 0.020 Background Pk Height (A): 0.036

Blank Corrected Pk Area (A-s): 0.104
Concentration (ug/L): 41.8 Corrected Conc (mg/kg): ----------

Spex QC19
tv = 40
104.5%



Mean Conc (ug/L): 41.8 SD: 0.01 RSD(%): 0.01
Corrected Conc (mg/kg): ----------

QC sample is within range 36.0 - 44.0

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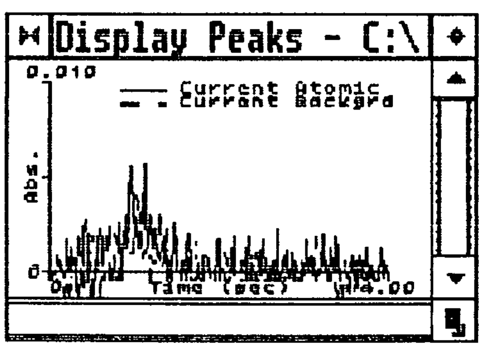
Pb ID: ICB Seq. No.: 00010 A/S Pos.: 2 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored) Time: 12:18
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.000 Background Pk Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -1.4 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 12:20
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): -0.000 Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -1.1 Corrected Conc (mg/kg): ----------



0240

<CRDL

Mean Conc (ug/L): -1.2 SD: 0.21 RSD(%): 17.20
Corrected Conc (mg/kg): ----------
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QC sample is within range -3.0 - 3.0

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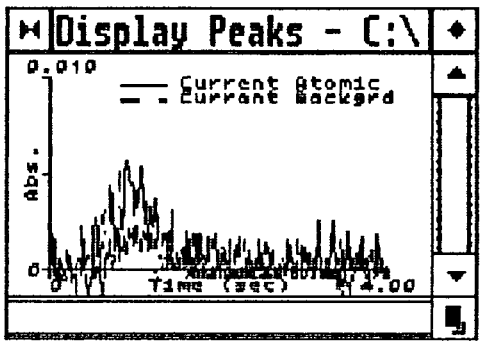

Mean Conc (ug/L): -0.8 SD: 0.20 RSD(%): 24.93
Corrected Conc (mg/kg): ----------

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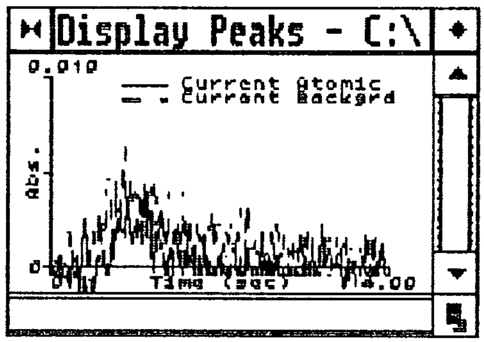
uL dispensed: 4 from 2, 5 from 1, 20 from 11
Replicate 1 (Peak Stored) Time: 12:40
Peak Area (A-s): 0.002 Peak Height (A): 0.007

Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -1.1 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 11
Replicate 2 (Peak Stored) Time: 12:43
Peak Area (A-s): 0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -1.1 Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): -1.1 SD: 0.04 RSD(%): 3.98
Corrected Conc (mg/kg): ----------

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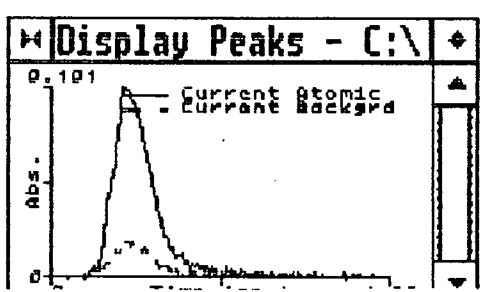
Pb ID: PBLK-H2O ₒA Seq. No.: 00015 A/S Pos.: 11 Date: 10/20/94

uL dispensed: 5 from 1, 4 from 6, 20 from 11
Replicate 1 (Peak Stored) Time: 12:45
Peak Area (A-s): 0.054 Peak Height (A): 0.096
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.020
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 20.6 Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 6, 20 from 11
Replicate 2 (Peak Stored) Time: 12:48
Peak Area (A-s): 0.057 Peak Height (A): 0.101
Background Pk Area (A-s): 0.012 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.055
Concentration (ug/L): 21.6 Corrected Conc (mg/kg): ----------

30 ppb post spike
105.5%



0243
~~~~~~

Mean Conc (ug/L): 21.1 SD: 0.71 RSD(%): 3.38
Corrected Conc (mg/kg): ----------

Recovery is ~~111.0%~~

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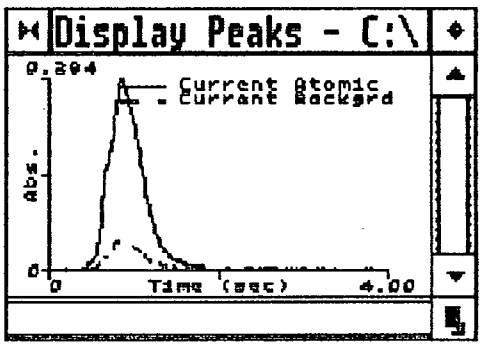

Mean Conc (ug/L): 55.6 SD: 1.14 RSD(%): 2.04
Corrected Conc (mg/kg): ----------

Recovery is 96.7% 96.5%

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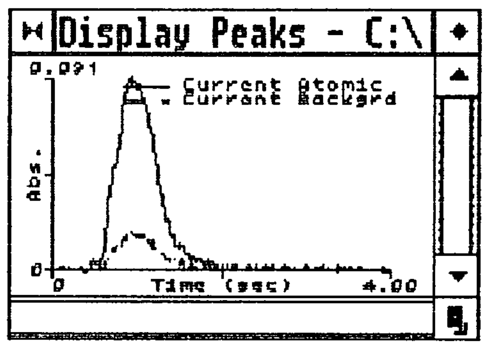
uL dispensed: 5 from 1, 4 from 6, 20 from 13
Replicate 1 (Peak Stored) Time: 13:08
Peak Area (A-s): 0.054 Peak Height (A): 0.096

Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.053
Concentration (ug/L): 20.7 Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 6, 20 from 13
Replicate 2 (Peak Stored) Time: 13:11
Peak Area (A-s): 0.053 Peak Height (A): 0.091
Background Pk Area (A-s): 0.014 Background Pk Height (A): 0.019
Blank Corrected Pk Area (A-s): 0.052
Concentration (ug/L): 20.3 Corrected Conc (mg/kg): ----------



102.5%

Mean Conc (ug/L): 20.5 SD: 0.27 RSD(%): 1.34
Corrected Conc (mg/kg): ----------

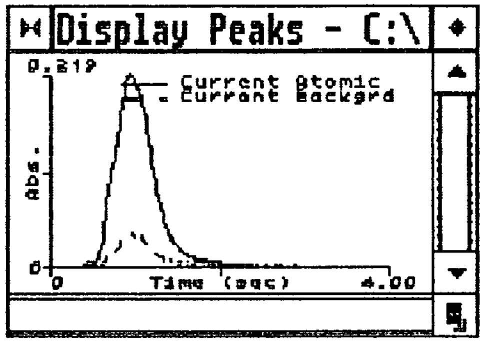
Recovery is 107.1%

~~~~~~

Pb ID: CCV Seq. No.: 00020 A/S Pos.: 5 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 1 (Peak Stored) Time: 13:14
Peak Area (A-s): 0.129 Peak Height (A): 0.228
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.127
Concentration (ug/L): 51.4 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 2 (Peak Stored) Time: 13:16
Peak Area (A-s): 0.123 Peak Height (A): 0.219
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.121
Concentration (ug/L): 49.1 Corrected Conc (mg/kg): ----------
~~~~~~



+V = 50
100.4%

Mean Conc (ug/L): 50.2 SD: 1.62 RSD(%): 3.23
Corrected Conc (mg/kg): ----------

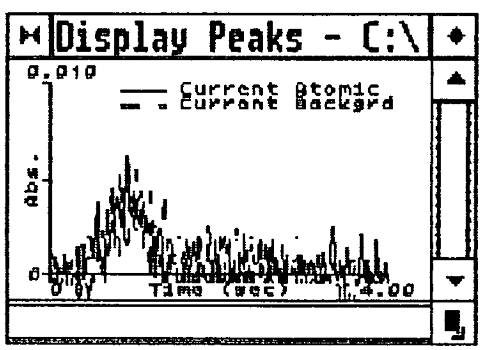
QC sample is within range 45.0 - 55.0

~~~~~~

Pb ID: CCB Seq. No.: 00021 A/S Pos.: 2 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored) Time: 13:19
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.9 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 13:22
Peak Area (A-s): 0.003 Peak Height (A): 0.006
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.7 Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): -0.8 SD: 0.11 RSD(%): 13.62
Corrected Conc (mg/kg): ----------

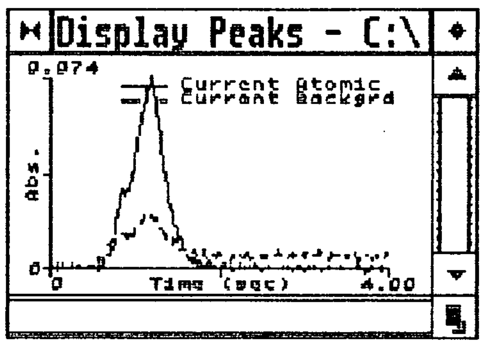
QC sample is within range -3.0 - 3.0
~~~~~~

Pb ID: 1005-02 A44C MS-4C Seq. No.: 00022 A/S Pos.: 14 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 14

Replicate 1 (Peak Stored) Time: 13:25
Peak Area (A-s): 0.035 Peak Height (A): 0.075
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 12.8 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 14
Replicate 2 (Peak Stored) Time: 13:28
Peak Area (A-s): 0.035 Peak Height (A): 0.074
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.033
Concentration (ug/L): 12.6 Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): 12.7 SD: 0.09 RSD(%): 0.67
Corrected Conc (mg/kg): ----------

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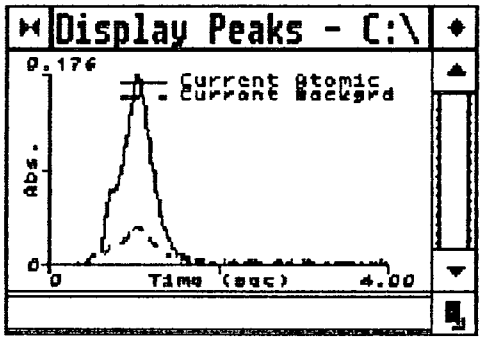
Pb ID: 1005-02 A44C .A MS-4C A Seq. No.: 00023 A/S Pos.: 14 Date: 10/20/94

uL dispensed: 5 from 1, 4 from 6, 20 from 14
Replicate 1 (Peak Stored) Time: 13:30
Peak Area (A-s): 0.080 Peak Height (A): 0.169
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.079
Concentration (ug/L): 31.4 Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 6, 20 from 14
Replicate 2 (Peak Stored) Time: 13:33
Peak Area (A-s): 0.082 Peak Height (A): 0.176
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.080
Concentration (ug/L): 31.9 Corrected Conc (mg/kg): ----------
~~~~~~



95.0%

Mean Conc (ug/L): 31.7 SD: 0.34 RSD(%): 1.08
Corrected Conc (mg/kg): ----------

Recovery is 94.9%

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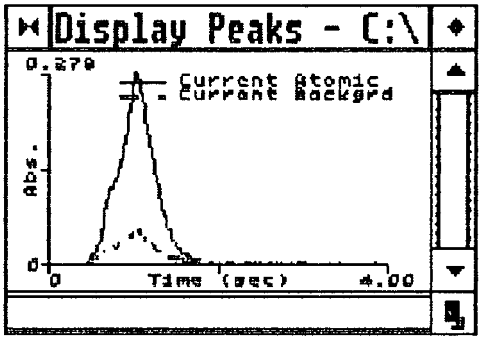
uL dispensed: 5 from 1, 4 from 6, 20 from 15 MS-2AK
Replicate 1 (Peak Stored) Time: 13:42
Peak Area (A-s): 0.136 Peak Height (A): 0.281

Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.055
Blank Corrected Pk Area (A-s): 0.134
Concentration (ug/L): 54.2 Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 6, 20 from 15
Replicate 2 (Peak Stored) Time: 13:45
Peak Area (A-s): 0.140 Peak Height (A): 0.278
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.139
Concentration (ug/L): 56.2 Corrected Conc (mg/kg): ----------

112.0%



Mean Conc (ug/L): 55.2 SD: 1.44 RSD(%): 2.61
Corrected Conc (mg/kg): ----------

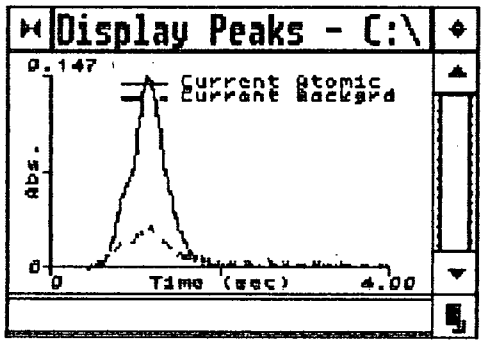
Recovery is 111.8%

~~~~~~

Pb ID: 1005-02 A22D MS-2D Seq. No.: 00026 A/S Pos.: 16 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 16
Replicate 1 (Peak Stored) Time: 13:48
Peak Area (A-s): 0.075 Peak Height (A): 0.144
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.073
Concentration (ug/L): 29.1 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 16
Replicate 2 (Peak Stored) Time: 13:50
Peak Area (A-s): 0.073 Peak Height (A): 0.147
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.071
Concentration (ug/L): 28.3 Corrected Conc (mg/kg): ----------
~~~~~~



Mean Conc (ug/L): 28.7 SD: 0.55 RSD(%): 1.91
Corrected Conc (mg/kg): ----------

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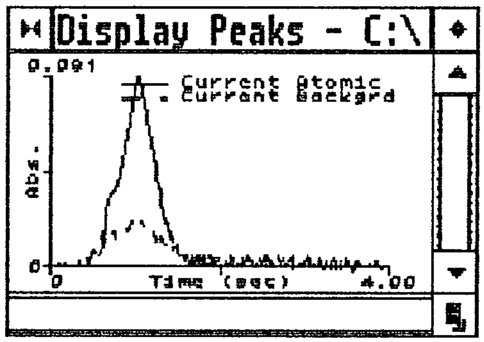
~~~

MS-20 MSD

uL dispensed: 4 from 2, 5 from 1, 20 from 17
Replicate 1 (Peak Stored) Time: 13:59
√ Peak Area (A-s): 0.041 Peak Height (A): 0.083

Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.023
Blank Corrected Pk Area (A-s): 0.039
Concentration (ug/L): 15.2 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 17
Replicate 2 (Peak Stored) Time: 14:02
Peak Area (A-s): 0.041 Peak Height (A): 0.081
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.021
Blank Corrected Pk Area (A-s): 0.040
Concentration (ug/L): 15.2 Corrected Conc (mg/kg): ----------



Mean Conc (ug/L): 15.2 SD: 0.02 RSD(%): 0.13
Corrected Conc (mg/kg): ----------

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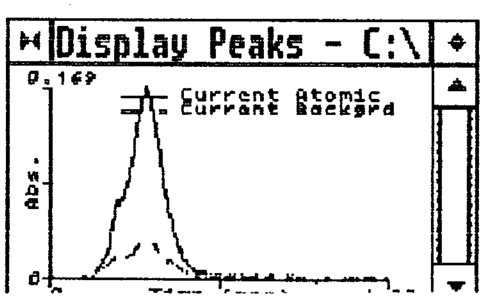
Pb ID: A22D MSD A Seq. No.: 00029 A/S Pos.: 17 Date: 10/20/94

MS-20 MSD A

uL dispensed: 5 from 1, 4 from 6, 20 from 17
Replicate 1 (Peak Stored) Time: 14:05
Peak Area (A-s): 0.089 Peak Height (A): 0.168
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.088
Concentration (ug/L): 35.1 Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 6, 20 from 17
Replicate 2 (Peak Stored) Time: 14:08
Peak Area (A-s): 0.090 Peak Height (A): 0.169
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.088
Concentration (ug/L): 35.3 Corrected Conc (mg/kg): ----------


~~~~~~

100.0%

Mean Conc (ug/L): 35.2 SD: 0.18 RSD(%): 0.50
Corrected Conc (mg/kg): ----------

Recovery is 99.8%

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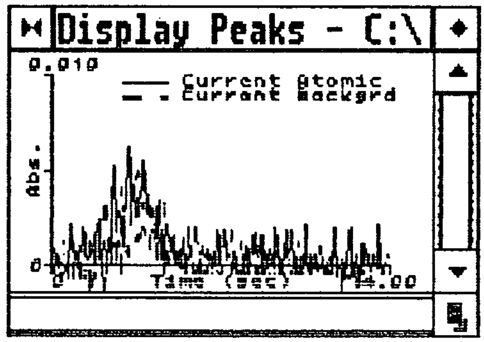
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.001

Concentration (ug/L): -0.8 Corrected Conc (mg/kg): -----------



Mean Conc (ug/L): -0.7 SD: 0.10 RSD(%): 14.31
Corrected Conc (mg/kg): -----------

QC sample is within range -3.0 - 3.0

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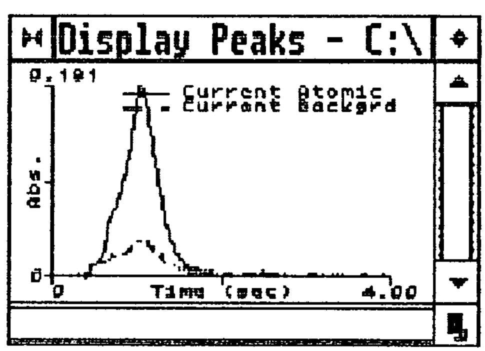
Pb ID: A22D MS Seq. No.: 00032 A/S Pos.: 18 Date: 10/20/94

MS-2DMS

uL dispensed: 4 from 2, 5 from 1, 20 from 18
Replicate 1 (Peak Stored) Time: 14:22
Peak Area (A-s): 0.093 Peak Height (A): 0.183
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.092
Concentration (ug/L): 36.8 Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 18
Replicate 2 (Peak Stored) Time: 14:24
Peak Area (A-s): 0.091 Peak Height (A): 0.181
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.089
Concentration (ug/L): 35.7 Corrected Conc (mg/kg): -----------

tv=25
? 30%R



0254

Mean Conc (ug/L): 36.2 SD: 0.76 RSD(%): 2.09
Corrected Conc (mg/kg): -----------
~~~~~~

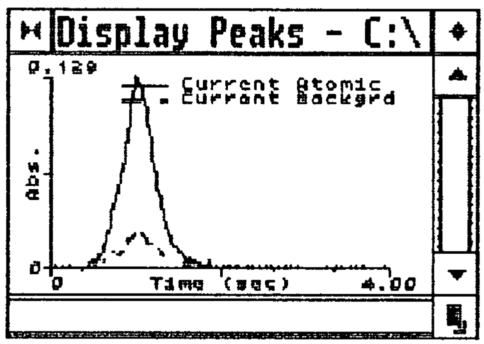
Pb ID: 1005-02 A11D Seq. No.: 00033 A/S Pos.: 19 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 19

MS-1D

Replicate 1 (Peak Stored) Time: 14:27
Peak Area (A-s): 0.062 Peak Height (A): 0.121
Background Pk Area (A-s): 0.015 Background Pk Height (A): 0.025
Blank Corrected Pk Area (A-s): 0.060
Concentration (ug/L): 23.6 Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 19
Replicate 2 (Peak Stored) Time: 14:30
Peak Area (A-s): 0.061 Peak Height (A): 0.128
Background Pk Area (A-s): 0.016 Background Pk Height (A): 0.024
Blank Corrected Pk Area (A-s): 0.059
Concentration (ug/L): 23.3 Corrected Conc (mg/kg): -----------



Mean Conc (ug/L): 23.5 SD: 0.20 RSD(%): 0.87
Corrected Conc (mg/kg): -----------

~~~~~~

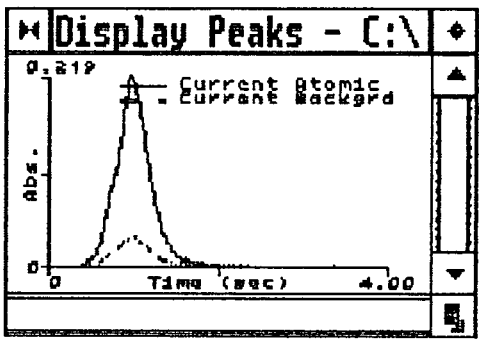
Pb ID: 1005-02 A11D A Seq. No.: 00034 A/S Pos.: 19 Date: 10/20/94

MS-1DA

uL dispensed: 5 from 1, 4 from 6, 20 from 19
Replicate 1 (Peak Stored) Time: 14:33
Peak Area (A-s): 0.104 Peak Height (A): 0.207
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.040
Blank Corrected Pk Area (A-s): 0.102
Concentration (ug/L): 41.2 Corrected Conc (mg/kg): -----------

uL dispensed: 5 from 1, 4 from 6, 20 from 19
Replicate 2 (Peak Stored) Time: 14:36
Peak Area (A-s): 0.106 Peak Height (A): 0.219
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.104
Concentration (ug/L): 41.9 Corrected Conc (mg/kg): -----------
~~~~~~

90.5%



Mean Conc (ug/L): 41.6 SD: 0.49 RSD(%): 1.17
Corrected Conc (mg/kg): ----------

Recovery is 90.4%

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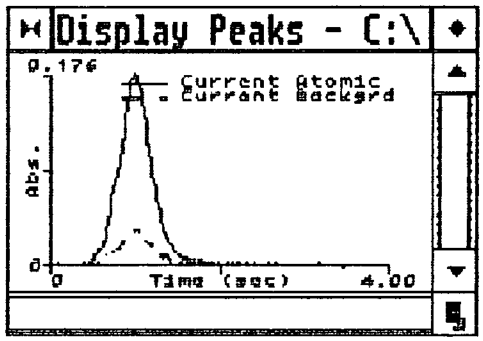
uL dispensed: 5 from 1, 4 from 6, 20 from 20
Replicate 1 (Peak Stored) Time: 14:45
Peak Area (A-s): 0.081 Peak Height (A): 0.167

Background Pk Area (A-s): 0.017 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.079
Concentration (ug/L): 31.5 Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 6, 20 from 20
Replicate 2 (Peak Stored) Time: 14:48
Peak Area (A-s): 0.083 Peak Height (A): 0.177
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.034
Blank Corrected Pk Area (A-s): 0.081
Concentration (ug/L): 32.5 Corrected Conc (mg/kg): ----------

93.5%



Mean Conc (ug/L): 32.0 SD: 0.69 RSD(%): 2.14
Corrected Conc (mg/kg): ----------

Recovery is 93.6%

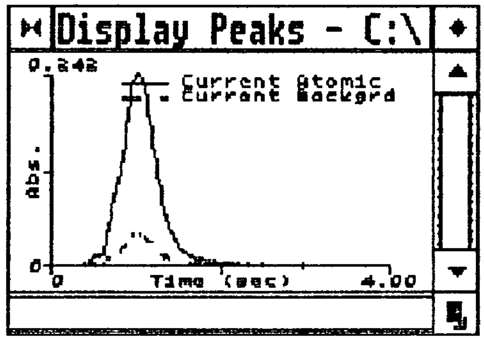
~~~~~~

Pb ID: CCV Seq. No.: 00037 A/S Pos.: 5 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 1 (Peak Stored) Time: 14:51
Peak Area (A-s): 0.121 Peak Height (A): 0.253
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.043
Blank Corrected Pk Area (A-s): 0.120
Concentration (ug/L): 48.4 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 2 (Peak Stored) Time: 14:53
Peak Area (A-s): 0.125 Peak Height (A): 0.242
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.124
Concentration (ug/L): 50.0 Corrected Conc (mg/kg): ----------
~~~~~~

98.4%



Mean Conc (ug/L): 49.2 SD: 1.17 RSD(%): 2.38
Corrected Conc (mg/kg): ------------

QC sample is within range 45.0 - 55.0

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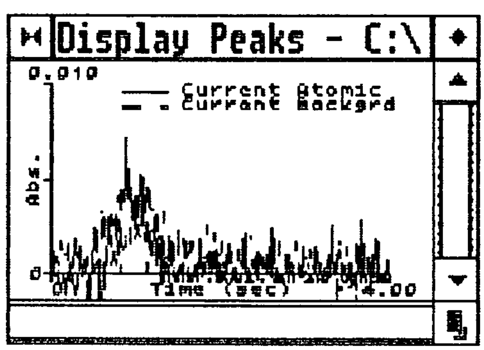
Pb ID: CCB Seq. No.: 00038 A/S Pos.: 2 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored) Time: 14:56
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -1.0 Corrected Conc (mg/kg): ------------

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 14:59
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): -0.8 Corrected Conc (mg/kg): ------------



0258

Mean Conc (ug/L): -0.9 SD: 0.13 RSD(%): 15.54
Corrected Conc (mg/kg): ------------

QC sample is within range -3.0 - 3.0
~~~~~~

Pb ID: 1005-02 A22D Seq. No.: 00039 A/S Pos.: 16 Date: 10/20/94

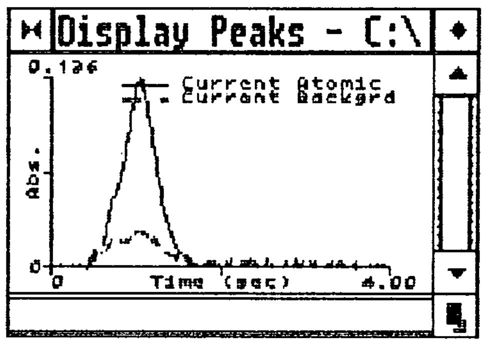
MS-2A

uL dispensed: 4 from 2, 5 from 1, 20 from 16

Replicate 1 (Peak Stored) Time: 15:02
Peak Area (A-s): 0.067 Peak Height (A): 0.134
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.065
Concentration (ug/L): 25.8 Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 16
Replicate 2 (Peak Stored) Time: 15:05
Peak Area (A-s): 0.067 Peak Height (A): 0.136
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.027
Blank Corrected Pk Area (A-s): 0.066
Concentration (ug/L): 26.1 Corrected Conc (mg/kg): -----------

Rerun



Mean Conc (ug/L): 25.9 SD: 0.16 RSD(%): 0.61
Corrected Conc (mg/kg): -------------

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Pb ID: 1005-02 A22D .A Seq. No.: 00040 A/S Pos.: 16 Date: 10/20/94

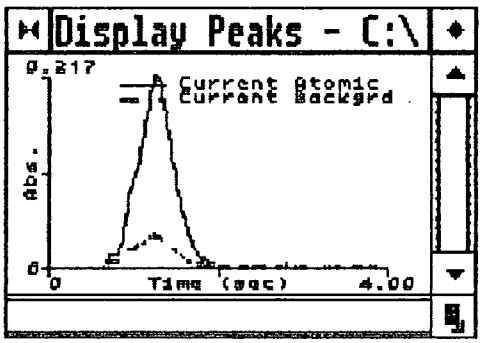
MS-2A

uL dispensed: 5 from 1, 4 from 6, 20 from 16
Replicate 1 (Peak Stored) Time: 15:08
Peak Area (A-s): 0.114 Peak Height (A): 0.226
Background Pk Area (A-s): 0.033 Background Pk Height (A): 0.041
Blank Corrected Pk Area (A-s): 0.112
Concentration (ug/L): 45.2 Corrected Conc (mg/kg): -----------

uL dispensed: 5 from 1, 4 from 6, 20 from 16
Replicate 2 (Peak Stored) Time: 15:11
Peak Area (A-s): 0.113 Peak Height (A): 0.217
Background Pk Area (A-s): 0.032 Background Pk Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.112
Concentration (ug/L): 45.0 Corrected Conc (mg/kg): -----------

Rerun
~~~~~~

96.0%



Mean Conc (ug/L): 45.1 SD: 0.08 RSD(%): 0.18
Corrected Conc (mg/kg): ----------

Recovery is 95.8%

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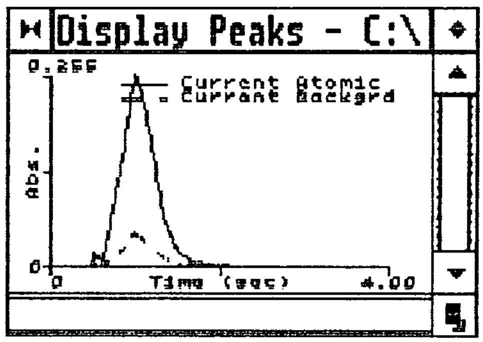
uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 1 (Peak Stored) Time: 15:20
Peak Area (A-s): 0.124 Peak Height (A): 0.261

Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.122
Concentration (ug/L): 49.3 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 2 (Peak Stored) Time: 15:23
Peak Area (A-s): 0.123 Peak Height (A): 0.255
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.045
Blank Corrected Pk Area (A-s): 0.122
Concentration (ug/L): 49.2 Corrected Conc (mg/kg): ----------

98.4%



Mean Conc (ug/L): 49.2 SD: 0.06 RSD(%): 0.12
Corrected Conc (mg/kg): ----------

QC sample is within range 45.0 - 55.0

~~~~~~

Pb ID: CCB Seq. No.: 00043 A/S Pos.: 2 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored) Time: 15:26
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.9 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 15:28
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.9 Corrected Conc (mg/kg): ----------
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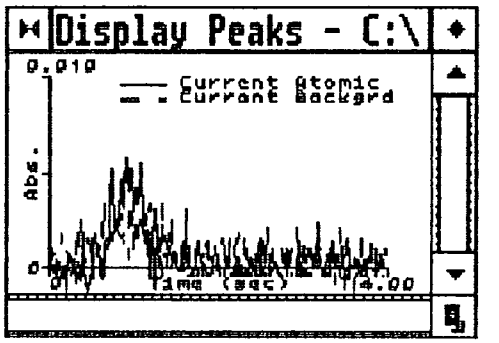

Mean Conc (ug/L): -0.9 SD: 0.03 RSD(%): 2.80
Corrected Conc (mg/kg): ----------

QC sample is within range -3.0 - 3.0

1024Se.DAT

5
25 } calib. stds = JHM
50

ICV=SPOK 0C19

Se

SM
10/24/9

CLP-Soils-SDG 19
E1005-02

Element File: SECLP.GEL Element: Se Wavelength: 196.0
Date: 10/24/94 Time: 10:28 Slit: 2.0 L
Data File: 1024SE.DAT ID/Wt File: 1024_SE.IDW Lamp Current: 0
Technique: HGA Calib. Type: Linear Energy: 65

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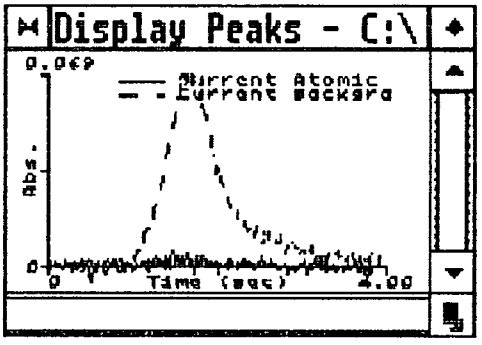
Se ID: Blank Seq. No.: 00015 A/S Pos.: 2 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored) Time: 10:30
Peak Area (A-s): 0.003 Peak Height (A): 0.008
Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.080
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.6

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 10:32
Peak Area (A-s): 0.002 Peak Height (A): 0.006
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.069
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.4



Mean Conc (ug/L): 0.5 SD: 0.17 RSD(%): 34.70

Auto-zero performed.

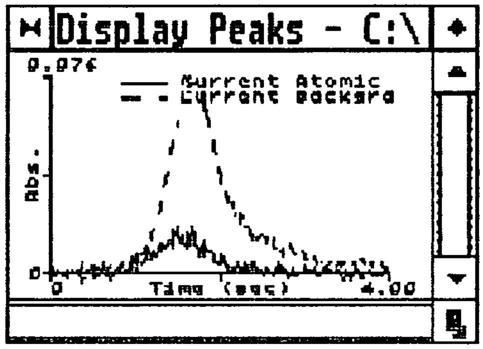
~~~~~~

Se ID: 5 ppb std Seq. No.: 00016 A/S Pos.: 3 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 1 (Peak Stored) Time: 10:35
Peak Area (A-s): 0.012 Peak Height (A): 0.017
Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 5.6

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 2 (Peak Stored) Time: 10:37
Peak Area (A-s): 0.013 Peak Height (A): 0.018

Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.076
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 5.3



Mean Conc (ug/L): 5.4 SD: 0.21 RSD(%): 3.96

Standard number 1 applied. [5.0]
Correlation coefficient: 1.000000 Slope: 0.0019 Int: -0.000

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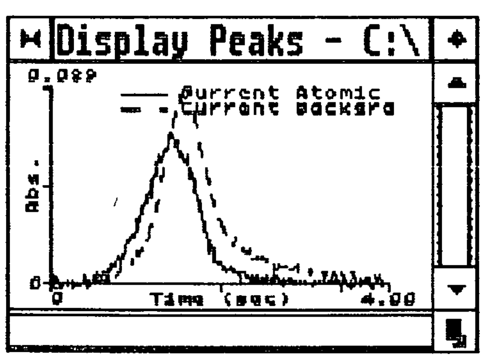
Se ID: 25 ppb std Seq. No.: 00017 A/S Pos.: 4 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4

Characteristic Mass = 48.2 pg/0.0044 A-s

Replicate 1 (Peak Stored) Time: 10:40
Peak Area (A-s): 0.046 Peak Height (A): 0.058
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.044
Concentration (ug/L): 23.3

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored) Time: 10:42
Peak Area (A-s): 0.052 Peak Height (A): 0.070
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.089
Blank Corrected Pk Area (A-s): 0.049
Concentration (ug/L): 26.1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Mean Conc (ug/L): 24.7 SD: 2.01 RSD(%): 8.13

Standard number 2 applied. [25.0]
Correlation coefficient: 1.00000 Slope: 0.0019 Int: 0.000

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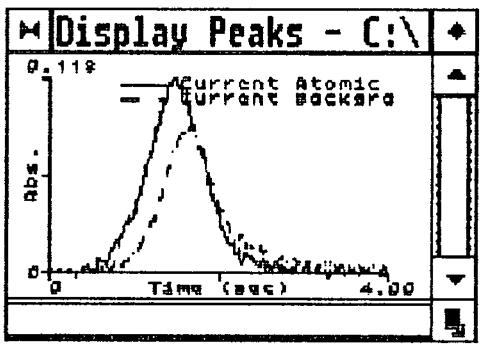
Se ID: 50 ppb std Seq. No.: 00018 A/S Pos.: 5 Date: 10/24/94

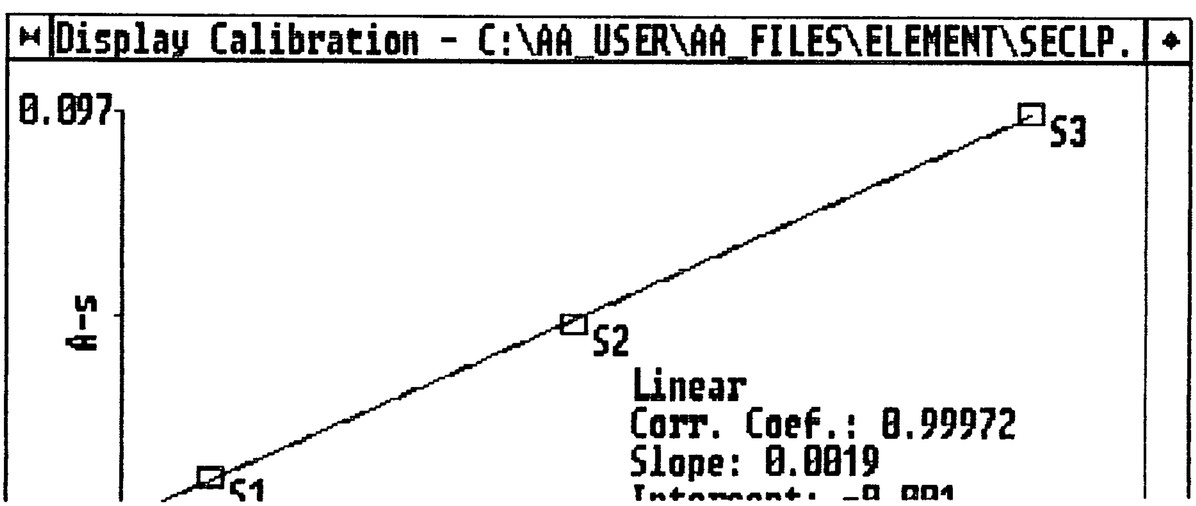
uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 1 (Peak Stored) Time: 10:44
Peak Area (A-s): 0.100 Peak Height (A): 0.117
Background Pk Area (A-s): 0.080 Background Pk Height (A): 0.087
Blank Corrected Pk Area (A-s): 0.097
Concentration (ug/L): 52.3

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 2 (Peak Stored) Time: 10:47
Peak Area (A-s): 0.100 Peak Height (A): 0.118
Background Pk Area (A-s): 0.080 Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.097
Concentration (ug/L): 52.4



Mean Conc (ug/L): 52.4 SD: 0.05 RSD(%): 0.09

Standard number 3 applied. [50.0]
Correlation coefficient: 0.99972 Slope: 0.0019 Int: -0.001



0265
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0.0	Concentration	50.0

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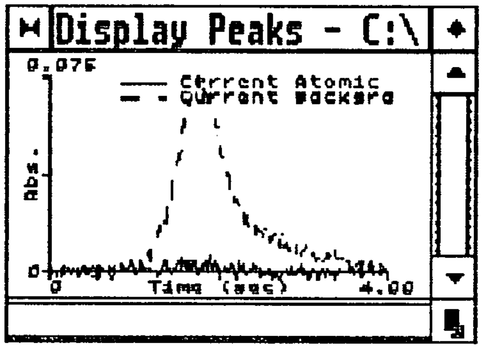


Mean Conc (ug/L): -0.3 SD: 0.20 RSD(%): 80.05
Corrected Conc (mg/kg): -----------

QC sample is within range -5.0 - 5.0

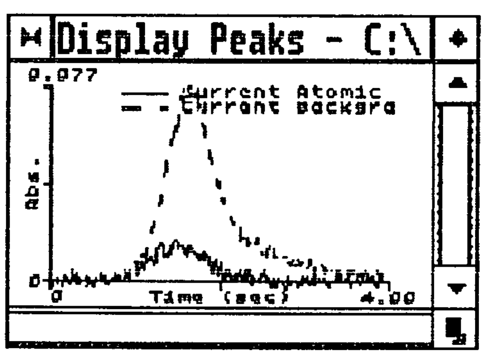
~~~~~~

Se ID: CRA Seq. No.: 00021 A/S Pos.: 3 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 1 (Peak Stored) Time: 11:00
Peak Area (A-s): 0.012 Peak Height (A): 0.017
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.076
Blank Corrected Pk Area (A-s): 0.009
Concentration (ug/L): 4.9 Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 2 (Peak Stored) Time: 11:02
Peak Area (A-s): 0.013 Peak Height (A): 0.017
Background Pk Area (A-s): 0.067 Background Pk Height (A): 0.077
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 5.6 Corrected Conc (mg/kg): -----------

5ppb



0267

Mean Conc (ug/L): 5.3 SD: 0.52 RSD(%): 9.86
Corrected Conc (mg/kg): -----------
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QC sample is within range 1.0 - 10.0

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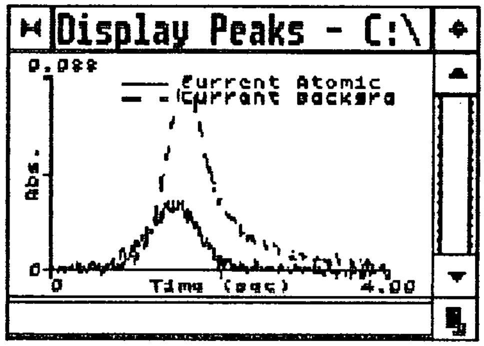
10 ppb post spike

114.0%



Mean Conc (ug/L): 11.4 SD: 0.43 RSD(%): 3.74
Corrected Conc (mg/kg): -----------

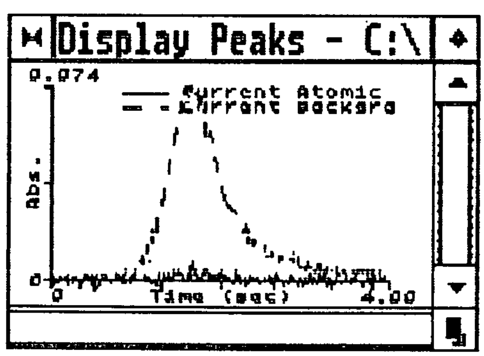
Recovery is ~~105.4%~~

~~~~~~

Se ID: PBLK-H2O PBW01 Seq. No.: 00024 A/S Pos.: 11 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 11
Replicate 1 (Peak Stored) Time: 11:14
Peak Area (A-s): 0.004 Peak Height (A): 0.007
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.8 Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 11
Replicate 2 (Peak Stored) Time: 11:17
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.074
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): 0.0 Corrected Conc (mg/kg): -----------



Mean Conc (ug/L): 0.4 SD: 0.53 RSD(%): 131.82
Corrected Conc (mg/kg): -----------
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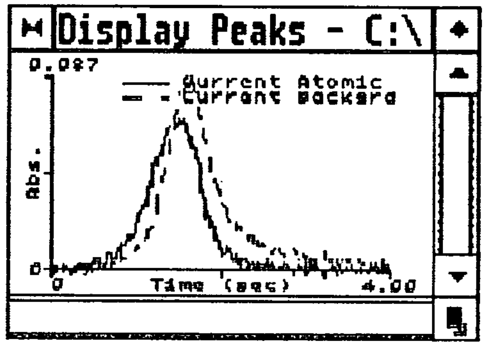


102.8%

Mean Conc (ug/L): 25.7 SD: 0.33 RSD(%): 1.27
Corrected Conc (mg/kg): ------------

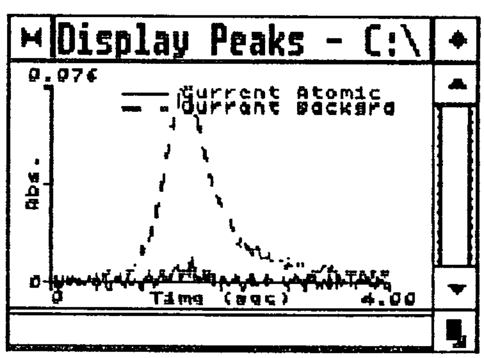
QC sample is within range 22.5 - 27.5

~~~~~~

Se ID: CCB Seq. No.: 00027 A/S Pos.: 2 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored) Time: 11:31
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.6 Corrected Conc (mg/kg): ------------

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 11:33
Peak Area (A-s): 0.003 Peak Height (A): 0.010
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.076
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.3 Corrected Conc (mg/kg): ------------



0271

Mean Conc (ug/L): 0.4 SD: 0.18 RSD(%): 40.62
Corrected Conc (mg/kg):
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QC sample is within range -5.0 - 5.0

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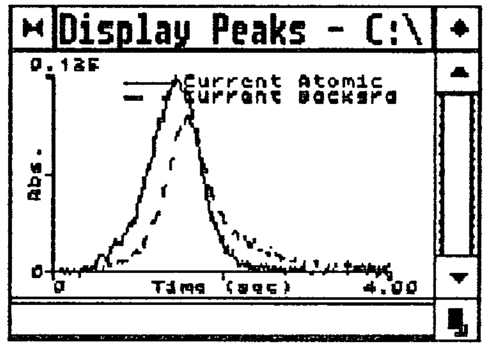


103.0%

Mean Conc (ug/L): 48.0 SD: 0.24 RSD(%): 0.49
Corrected Conc (mg/kg): -----------

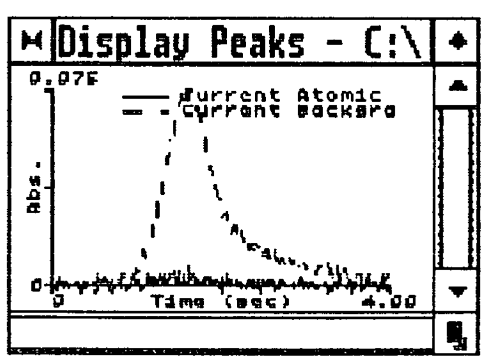
Recovery is 102.8%

~~~~~~

Se ID: FIELD BLK Seq. No.: 00030 A/S Pos.: 13 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 13
Replicate 1 (Peak Stored) Time: 11:45
Peak Area (A-s): 0.002 Peak Height (A): 0.005
Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.074
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): 0.1 Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 13
Replicate 2 (Peak Stored) Time: 11:48
Peak Area (A-s): 0.003 Peak Height (A): 0.008
Background Pk Area (A-s): 0.066 Background Pk Height (A): 0.075
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.7 Corrected Conc (mg/kg): -----------



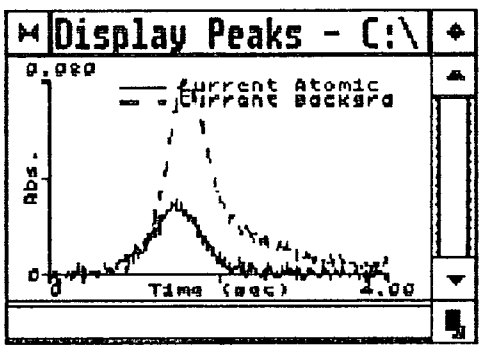
Mean Conc (ug/L): 0.4 SD: 0.44 RSD(%): 120.39
Corrected Conc (mg/kg): [illegible]
~~~~~~

Se ID: FIELD BLK A Seq. No.: 00031 A/S Pos.: 13 Date: 10/24/94

uL dispensed: 5 from 1, 4 from 5, 20 from 13
Replicate 1 (Peak Stored) Time: 11:50
Peak Area (A-s): 0.022 Peak Height (A): 0.030

Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L): 10.2 Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 5, 20 from 13
Replicate 2 (Peak Stored) Time: 11:53
Peak Area (A-s): 0.023 Peak Height (A): 0.031
Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.080
Blank Corrected Pk Area (A-s): 0.020
Concentration (ug/L): 10.7 Corrected Conc (mg/kg): ----------



105.0%

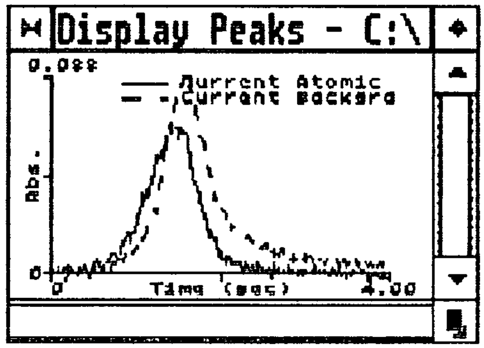
Mean Conc (ug/L): 10.5 SD: 0.34 RSD(%): 3.23
Corrected Conc (mg/kg): ----------

Recovery is ~~101.1%~~

Se ID: CCV Seq. No.: 00032 A/S Pos.: 4 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 (Peak Stored) Time: 11:55
Peak Area (A-s): 0.051 Peak Height (A): 0.070
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.089
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 25.2 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored) Time: 11:57
Peak Area (A-s): 0.050 Peak Height (A): 0.068
Background Pk Area (A-s): 0.073 Background Pk Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 24.8 Corrected Conc (mg/kg): ----------



100%

Mean Conc (ug/L): 25.0 SD: 0.26 RSD(%): 1.03
Corrected Conc (mg/kg): -----------

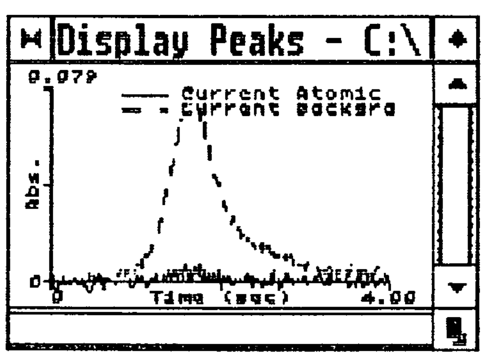
QC sample is within range 22.5 - 27.5

~~~~~~

Se ID: CCB Seq. No.: 00033 A/S Pos.: 2 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored) Time: 12:00
Peak Area (A-s): 0.004 Peak Height (A): 0.007
Background Pk Area (A-s): 0.063 Background Pk Height (A): 0.075
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 1.1 Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 12:02
Peak Area (A-s): 0.003 Peak Height (A): 0.007
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.079
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): 0.4 Corrected Conc (mg/kg): -----------



Mean Conc (ug/L): 0.7 SD: 0.47 RSD(%): 64.00
Corrected Conc (mg/kg): -----------
~~~~~~

QC sample is within range -5.0 - 5.0

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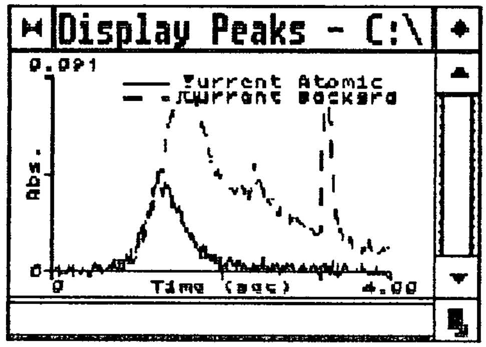


120
~~102.0~~%

Mean Conc (ug/L): 12.0 SD: 1.19 RSD(%): 9.90
Corrected Conc (mg/kg): -----------

Recovery is 101.9%

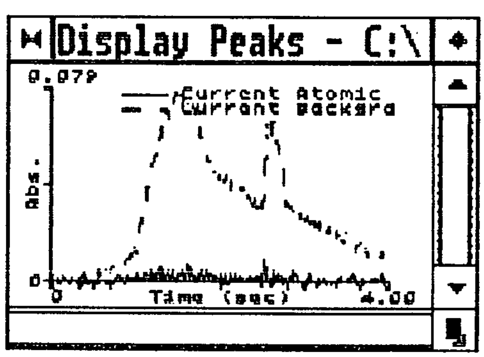
~~~~~~

Se ID: 1005-02 A22A Seq. No.: 00036 A/S Pos.: 15 Date: 10/24/94

MS-2A

uL dispensed: 4 from 2, 5 from 1, 20 from 15
Replicate 1 (Peak Stored) Time: 12:14
Peak Area (A-s): 0.007 Peak Height (A): 0.017
Background Pk Area (A-s): 0.116 Background Pk Height (A): 0.112
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 2.3 Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 15
Replicate 2 (Peak Stored) Time: 12:17
Peak Area (A-s): 0.004 Peak Height (A): 0.009
Background Pk Area (A-s): 0.114 Background Pk Height (A): 0.079
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.9 Corrected Conc (mg/kg): -----------



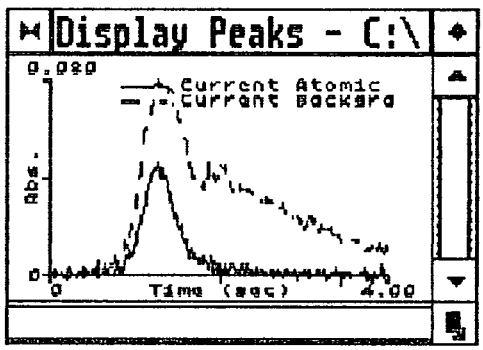
Mean Conc (ug/L): 1.6 SD: 1.02 RSD(%): 64.32
Corrected Conc (mg/kg): ------
~~~~~~

Se ID: 1005-02 A22A MS-2A A Seq. No.: 00037 A/S Pos.: 15 Date: 10/24/94

uL dispensed: 5 from 1, 4 from 5, 20 from 15
Replicate 1 (Peak Stored) Time: 12:19
Peak Area (A-s): 0.022 Peak Height (A): 0.039

Background Pk Area (A-s): 0.117 Background Pk Height (A): 0.079
Blank Corrected Pk Area (A-s): 0.019
Concentration (ug/L): 10.2 Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 5, 20 from 15
Replicate 2 (Peak Stored) Time: 12:22
Peak Area (A-s): 0.026 Peak Height (A): 0.047
Background Pk Area (A-s): 0.106 Background Pk Height (A): 0.080
Blank Corrected Pk Area (A-s): 0.023
Concentration (ug/L): 12.1 Corrected Conc (mg/kg): ----------



111.0%

Mean Conc (ug/L): 11.1 SD: 1.37 RSD(%): 12.30
Corrected Conc (mg/kg): ----------

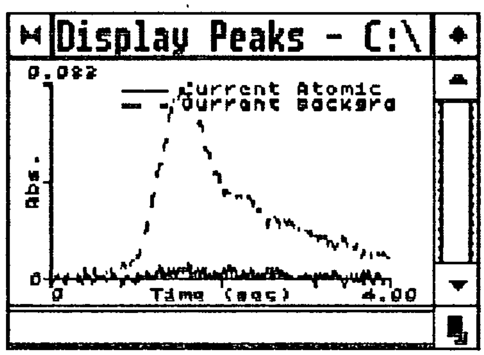
Recovery is 95.4%

Se ID: 1005-02 A22D MS-2D Seq. No.: 00038 A/S Pos.: 16 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 16
Replicate 1 (Peak Stored) Time: 12:24
Peak Area (A-s): 0.005 Peak Height (A): 0.008
Background Pk Area (A-s): 0.100 Background Pk Height (A): 0.083
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 1.4 Corrected Conc (mg/kg): ----------

uL dispensed: 4 from 2, 5 from 1, 20 from 16
Replicate 2 (Peak Stored) Time: 12:27
Peak Area (A-s): 0.005 Peak Height (A): 0.008
Background Pk Area (A-s): 0.100 Background Pk Height (A): 0.083
Blank Corrected Pk Area (A-s): 0.003
Concentration (ug/L): 1.7 Corrected Conc (mg/kg): ----------

W



Mean Conc (ug/L): 1.5 SD: 0.20 RSD(%): 13.11
Corrected Conc (mg/kg): -----------

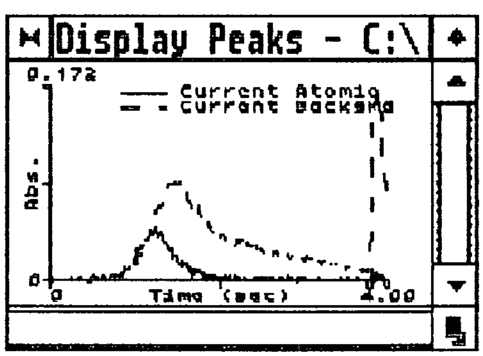
~~~~~~

Se ID: 1005-02 A22D. A Seq. No.: 00039 A/S Pos.: 16 Date: 10/24/94

MS-2DA

uL dispensed: 5 from 1, 4 from 5, 20 from 16
Replicate 1 (Peak Stored) Time: 12:29
Peak Area (A-s): 0.025 Peak Height (A): 0.046
Background Pk Area (A-s): 0.111 Background Pk Height (A): 0.091
Blank Corrected Pk Area (A-s): 0.022
Concentration (ug/L): 11.8 Corrected Conc (mg/kg): ----------

uL dispensed: 5 from 1, 4 from 5, 20 from 16
Replicate 2 (Peak Stored) Time: 12:32
Peak Area (A-s): 0.027 Peak Height (A): 0.047
Background Pk Area (A-s): 0.127 Background Pk Height (A): 0.172
Blank Corrected Pk Area (A-s): 0.025
Concentration (ug/L): 13.0 Corrected Conc (mg/kg): ----------



124% W

0279

Mean Conc (ug/L): 12.4 SD: 0.82 RSD(%): 6.59
Corrected Conc (mg/kg): -----------

Recovery is 109.9%
~~~~~~

Se ID: A22D MSD Seq. No.: 00040 A/S Pos.: 17 Date: 10/24/94

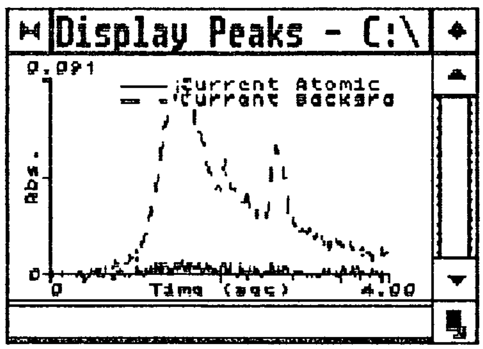
MS-2DMSD

uL dispensed: 4 from 2, 5 from 1, 20 from 17
Replicate 1 (Peak Stored) Time: 12:34
Peak Area (A-s): 0.005 Peak Height (A): 0.007

Background Pk Area (A-s): 0.108 Background Pk Height (A): 0.089
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 1.3 Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 17
Replicate 2 (Peak Stored) Time: 12:37
Peak Area (A-s): 0.005 Peak Height (A): 0.008
Background Pk Area (A-s): 0.109 Background Pk Height (A): 0.091
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 1.3 Corrected Conc (mg/kg): -----------

W



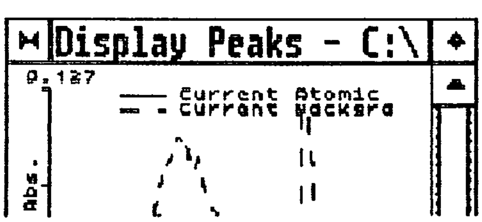
Mean Conc (ug/L): 1.3 SD: 0.02 RSD(%): 1.57
Corrected Conc (mg/kg): -----------

Se ID: A22D MSD A Seq. No.: 00041 A/S Pos.: 17 Date: 10/24/94

MS2DMSDA

uL dispensed: 5 from 1, 4 from 5, 20 from 17
Replicate 1 (Peak Stored) Time: 12:39
Peak Area (A-s): 0.024 Peak Height (A): 0.041
Background Pk Area (A-s): 0.114 Background Pk Height (A): 0.093
Blank Corrected Pk Area (A-s): 0.021
Concentration (ug/L): 11.2 Corrected Conc (mg/kg): -----------

uL dispensed: 5 from 1, 4 from 5, 20 from 17
Replicate 2 (Peak Stored) Time: 12:42
Peak Area (A-s): 0.026 Peak Height (A): 0.044
Background Pk Area (A-s): 0.124 Background Pk Height (A): 0.127
Blank Corrected Pk Area (A-s): 0.024
Concentration (ug/L): 12.5 Corrected Conc (mg/kg): -----------



0280

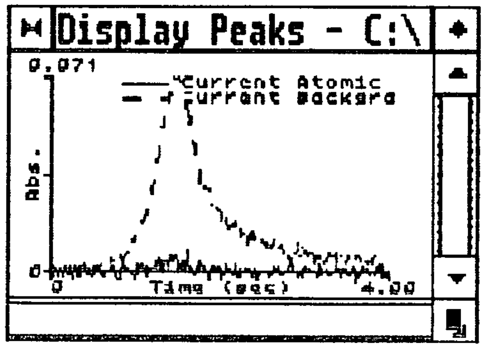
118.0% W

Mean Conc (ug/L): 11.8 SD: 0.91 RSD(%): 7.74
Corrected Conc (mg/kg): ----------

Recovery is 104.8%

~~~
~~~

Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.071
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.0 Corrected Conc (mg/kg): -----------



Mean Conc (ug/L): 0.2 SD: 0.32 RSD(%): 160.24
Corrected Conc (mg/kg): -----------

QC sample is within range -5.0 - 5.0

~~~~~~

Se ID: A22D MS Seq. No.: 00044 A/S Pos.: 18 Date: 10/24/94

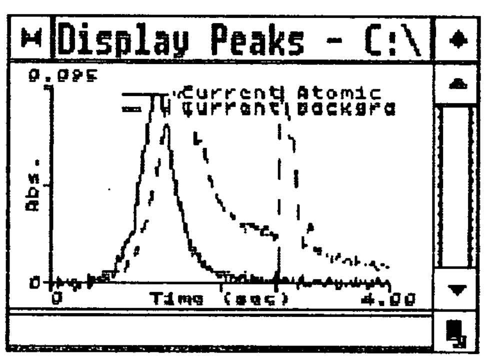
MS 22D MS

uL dispensed: 4 from 2, 5 from 1, 20 from 18
Replicate 1 (Peak Stored) Time: 12:54
Peak Area (A-s): 0.050 Peak Height (A): 0.089
Background Pk Area (A-s): 0.111 Background Pk Height (A): 0.093
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 24.9 Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 18
Replicate 2 (Peak Stored) Time: 12:56
Peak Area (A-s): 0.051 Peak Height (A): 0.091
Background Pk Area (A-s): 0.116 Background Pk Height (A): 0.095
Blank Corrected Pk Area (A-s): 0.048
Concentration (ug/L): 25.0 Corrected Conc (mg/kg): -----------

tv=25.0

99.6%



0282

Mean Conc (ug/L): 24.9 SD: 0.09 RSD(%): 0.34
Corrected Conc (mg/kg):
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107.0%

Mean Conc (ug/L): 10.7 SD: 0.56 RSD(%): 5.19
Corrected Conc (mg/kg): ----------

Recovery is 89.0%

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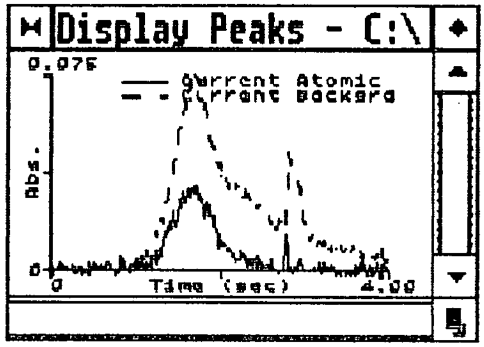
Concentration (ug/L): 9.8 Corrected Conc (mg/kg): -----------



93.6%

Mean Conc (ug/L): 9.3 SD: 0.79 RSD(%): 8.49
Corrected Conc (mg/kg): -----------

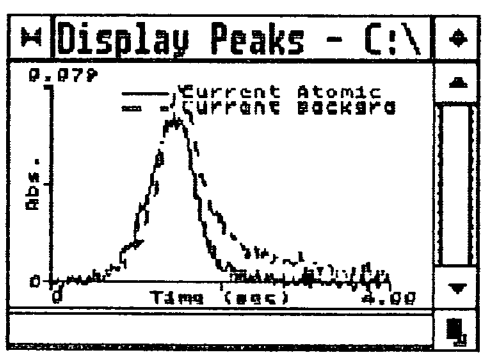
Recovery is [illegible]

~~~~~~

Se ID: CCV Seq. No.: 00049 A/S Pos.: 4 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 (Peak Stored) Time: 13:19
Peak Area (A-s): 0.048 Peak Height (A): 0.071
Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.078
Blank Corrected Pk Area (A-s): 0.045
Concentration (ug/L): 23.6 Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored) Time: 13:21
Peak Area (A-s): 0.048 Peak Height (A): 0.068
Background Pk Area (A-s): 0.069 Background Pk Height (A): 0.079
Blank Corrected Pk Area (A-s): 0.045
Concentration (ug/L): 23.5 Corrected Conc (mg/kg): -----------



94.0%

0285

Mean Conc (ug/L): 23.5 SD: 0.08 RSD(%): 0.33
Corrected Conc (mg/kg): -----------
~~~~~~

QC sample is within range 22.5 - 27.5

Characteristic Mass = 48.8 pg/0.0044 A-s

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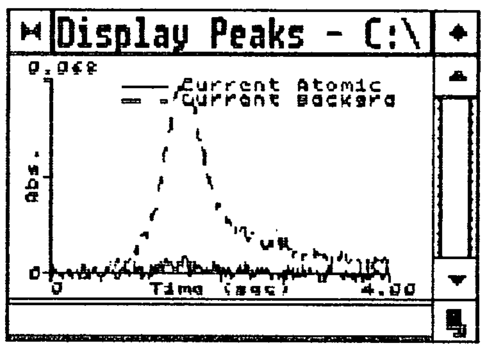
Se   ID: CCB   Seq. No.: 00050   A/S Pos.: 2   Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored)   Time: 13:23
Peak Area (A-s): 0.003   Peak Height (A): 0.008
Background Pk Area (A-s): 0.059   Background Pk Height (A): 0.070
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.6   Corrected Conc (mg/kg): -----------

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored)   Time: 13:26
Peak Area (A-s): 0.003   Peak Height (A): 0.006
Background Pk Area (A-s): 0.058   Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): 0.2   Corrected Conc (mg/kg): -----------



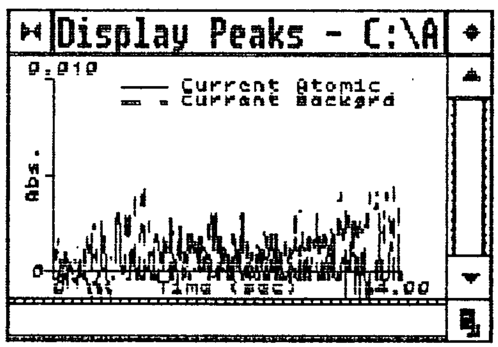
Mean Conc (ug/L): 0.4   SD: 0.26   RSD(%): 65.74
Corrected Conc (mg/kg): -----------

QC sample is within range -5.0 - 5.0
~~~~~~

Element File: TLCLP.GEL　Element: Tl　Wavelength: 276.8
Date: 10/24/94　Time: 14:55　Slit: 0.70 L
Data File: 1024TL.DAT　ID/Wt File: 1024_TL.IDW　Lamp Current: 0
Technique: HGA　Calib. Type: Linear　Energy: 69

Replicate 1　Time: 14:57
Peak Area (A-s): 0.001　Peak Height (A): 0.003
Background Pk Area (A-s): 0.003　Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.1

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored)　Time: 15:00
Peak Area (A-s): 0.001　Peak Height (A): 0.003
Background Pk Area (A-s): 0.004　Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.1



Mean Conc (ug/L): 0.0　SD: 0.14　RSD(%): 327.72

Auto-zero performed.

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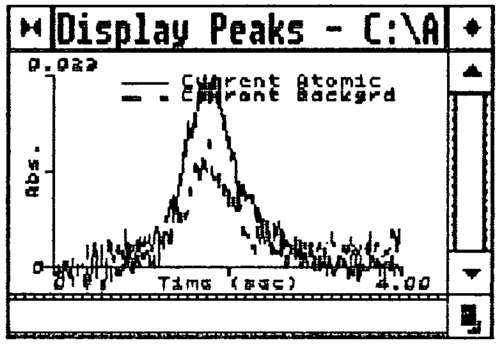
Tl　ID: 10 PPB STD　Seq. No.: 00009　A/S Pos.: 3　Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 1　Time: 15:03
Peak Area (A-s): 0.018　Peak Height (A): 0.025
Background Pk Area (A-s): 0.013　Background Pk Height (A): 0.014
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 9.8

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 2 (Peak Stored)　Time: 15:05
Peak Area (A-s): 0.018　Peak Height (A): 0.023
Background Pk Area (A-s): 0.013　Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): 0.018
Concentration (ug/L): 9.8
~~~~~~



Mean Conc (ug/L): 9.8 SD: 0.02 RSD(%): 0.16

Standard number 1 applied. [10.0]
Correlation coefficient: 1.000000 Slope: 0.0018 Int: 0.000

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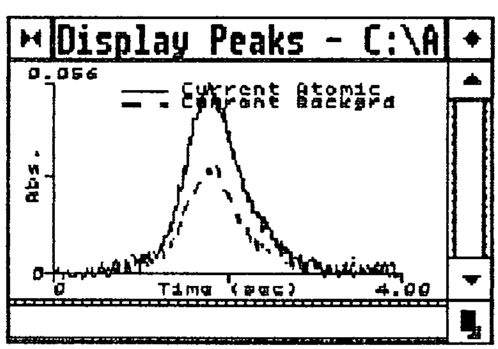
Tl ID: 25 PPB STD Seq. No.: 00010 A/S Pos.: 4 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 Time: 15:08
Peak Area (A-s): 0.045 Peak Height (A): 0.056
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.044
Concentration (ug/L): 25.3

uL dispensed: 4 from 2, 5 from 1, 20 from 4

Characteristic Mass = 49.5 pg/0.0044 A-s

Replicate 2 (Peak Stored) Time: 15:10
Peak Area (A-s): 0.046 Peak Height (A): 0.056
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.032
Blank Corrected Pk Area (A-s): 0.045
Concentration (ug/L): 25.5



Mean Conc (ug/L): 25.4 SD: 0.15 RSD(%): 0.59
~~~~~~

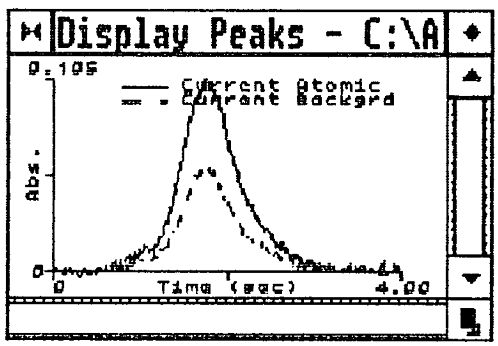
Standard number 2 applied. [25.0]
Correlation coefficient: 0.99997 Slope: 0.0018 Int: -0.000

~~~~~~

Tl ID: 50 PPB STD Seq. No.: 00011 A/S Pos.: 5 Date: 10/24/94

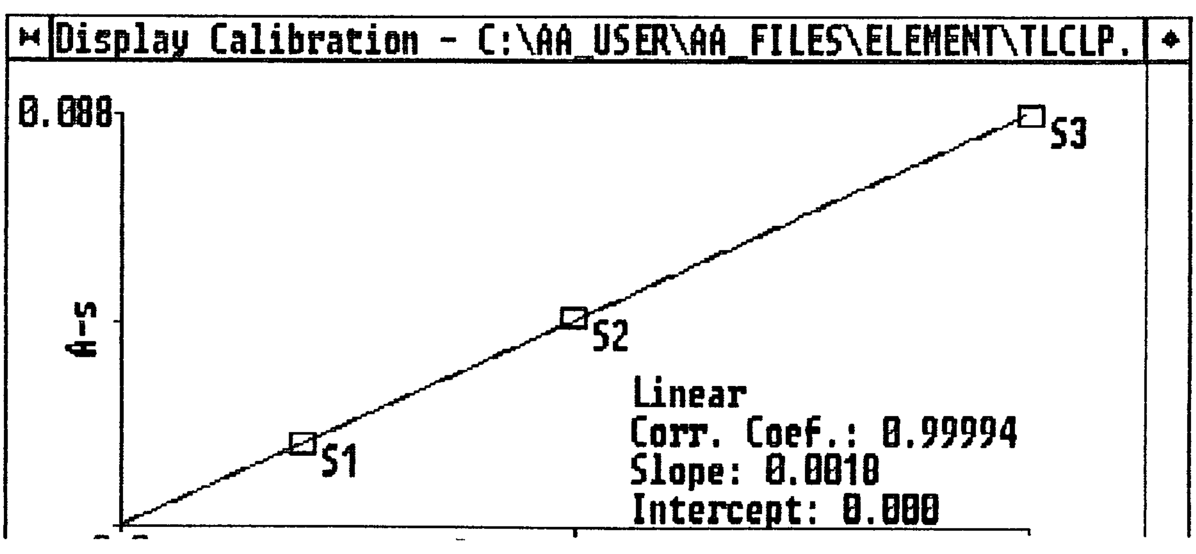
uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 1 Time: 15:13
Peak Area (A-s): 0.090 Peak Height (A): 0.108
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.060
Blank Corrected Pk Area (A-s): 0.089
Concentration (ug/L): 49.8

uL dispensed: 4 from 2, 5 from 1, 20 from 5
Replicate 2 (Peak Stored) Time: 15:15
Peak Area (A-s): 0.087 Peak Height (A): 0.105
Background Pk Area (A-s): 0.051 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.086
Concentration (ug/L): 48.4



Mean Conc (ug/L): 49.1 SD: 0.99 RSD(%): 2.02

Standard number 3 applied. [50.0]
Correlation coefficient: 0.99994 Slope: 0.0018 Int: 0.000



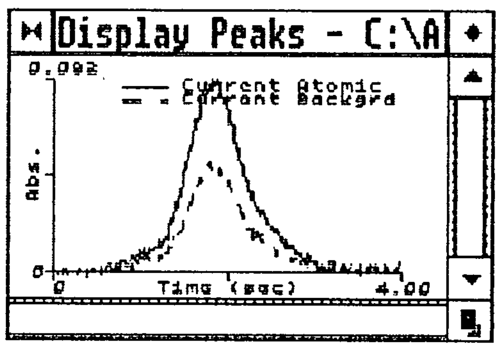
0289
~~~~~~

T1 ID: ICV Seq. No.: 00012 A/S Pos.: 8 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 8
Replicate 1 Time: 15:19
Peak Area (A-s): 0.070 Peak Height (A): 0.086
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.069
Concentration (ug/L): 39.1

uL dispensed: 4 from 2, 5 from 1, 20 from 8
Replicate 2 (Peak Stored) Time: 15:22
Peak Area (A-s): 0.071 Peak Height (A): 0.083
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 39.6

Spex QC-19
tv=40
98.5%



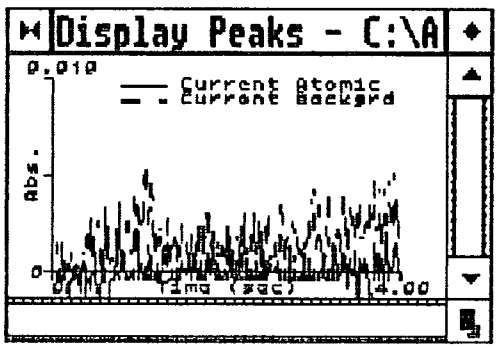
Mean Conc (ug/L): 39.4 SD: 0.35 RSD(%): 0.89

QC sample is within range 36.0 - 44.0

T1 ID: ICB Seq. No.: 00013 A/S Pos.: 2 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 Time: 15:24
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.4

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 15:27
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.1



Mean Conc (ug/L): -0.3 SD: 0.18 RSD(%): 66.09

QC sample is within range -10.0 - 10.0

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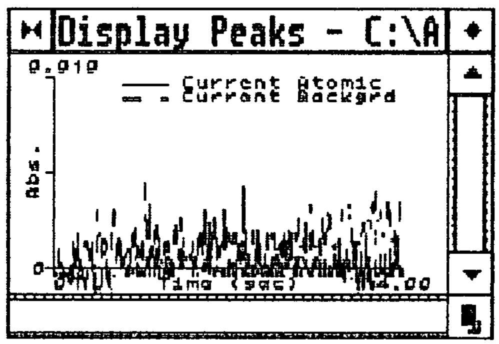
T1 ID: PBLK-SOIL Seq. No.: 00015 A/S Pos.: 10 Date: 10/24/94

PBSO1

uL dispensed: 4 from 2, 5 from 1, 20 from 10
Replicate 1 Time: 15:35
Peak Area (A-s): 0.000 Peak Height (A): 0.004

Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.4

uL dispensed: 4 from 2, 5 from 1, 20 from 10
Replicate 2 (Peak Stored) Time: 15:37
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.2



Mean Conc (ug/L): -0.3 SD: 0.18 RSD(%): 60.63

~~~~~~

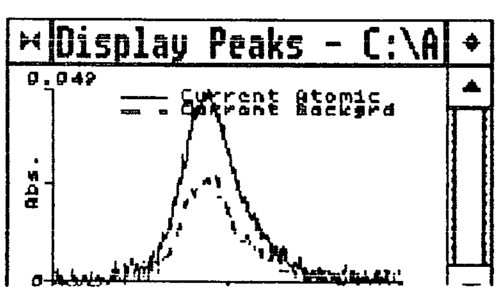
T1 ID: PBLK-SOIL . A Seq. No.: 00016 A/S Pos.: 10 Date: 10/24/94

PBSO1A

uL dispensed: 5 from 1, 4 from 6, 20 from 10
Replicate 1 Time: 15:40
Peak Area (A-s): 0.040 Peak Height (A): 0.047
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.028
Blank Corrected Pk Area (A-s): 0.040
Concentration (ug/L): 22.4

uL dispensed: 5 from 1, 4 from 6, 20 from 10
Replicate 2 (Peak Stored) Time: 15:42
Peak Area (A-s): 0.040 Peak Height (A): 0.049
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.026
Blank Corrected Pk Area (A-s): 0.039
Concentration (ug/L): 22.4

20ppb post spike



0292
~~~~~~

Mean Conc (ug/L): 22.4 SD: 0.01 RSD(%): 0.05

112.0%

Recovery is ~~113.5%~~

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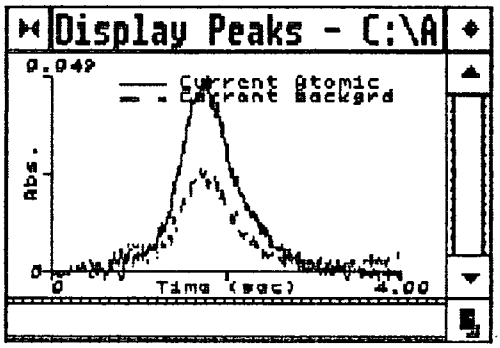
20 ppb post spike



106.0%

Mean Conc (ug/L): 21.2 SD: 0.06 RSD(%): 0.30

Recovery is ~~107.7%~~

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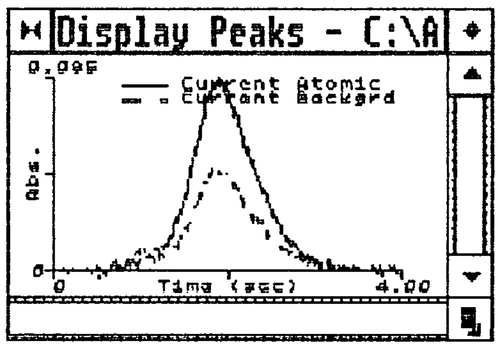
uL dispensed: 5 from 1, 4 from 6, 20 from 12
Replicate 1 Time: 16:01
Peak Area (A-s): 0.075 Peak Height (A): 0.089
Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.047

Blank Corrected Pk Area (A-s): 0.074
Concentration (ug/L): 42.3 Corrected Conc (ug/L): 84.5

uL dispensed: 5 from 1, 4 from 6, 20 from 12
Replicate 2 (Peak Stored) Time: 16:04
Peak Area (A-s): 0.074 Peak Height (A): 0.085
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.073
Concentration (ug/L): 41.7 Corrected Conc (ug/L): 83.4



108.0%

Mean Conc (ug/L): 42.0 SD: 0.40 RSD(%): 0.96
Corrected Conc (ug/L): 84.0

Recovery is 107.9%

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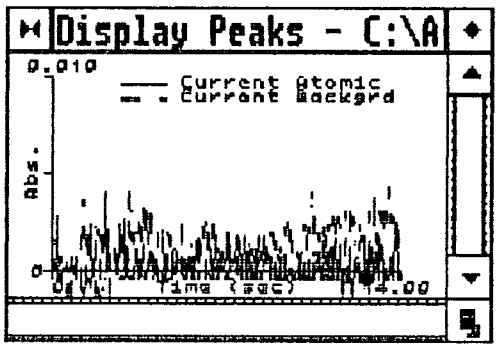
Tl ID: FIELD BLK Seq. No.: 00021 A/S Pos.: 13 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 13
Replicate 1 Time: 16:06
Peak Area (A-s): 0.001 Peak Height (A): 0.003
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.3

uL dispensed: 4 from 2, 5 from 1, 20 from 13
Replicate 2 (Peak Stored) Time: 16:09
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.6
~~~~~~



Mean Conc (ug/L): -0.4 SD: 0.22 RSD(%): 50.66

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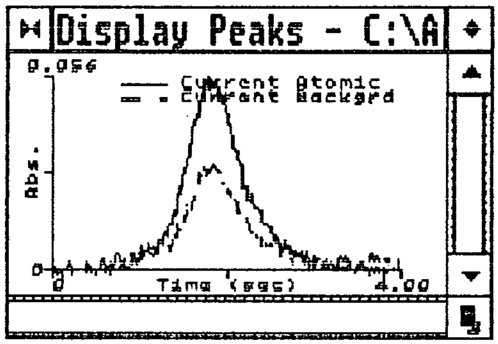
uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 Time: 16:17
Peak Area (A-s): 0.046 Peak Height (A): 0.056
Background Pk Area (A-s): 0.028 Background Pk Height (A): 0.029
Blank Corrected Pk Area (A-s): 0.045

Concentration (ug/L): 25.4

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored) Time: 16:19
Peak Area (A-s): 0.045 Peak Height (A): 0.056
Background Pk Area (A-s): 0.029 Background Pk Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.044
Concentration (ug/L): 25.2



101.2 %

tv=25.0

Mean Conc (ug/L): 25.3 SD: 0.12 RSD(%): 0.49

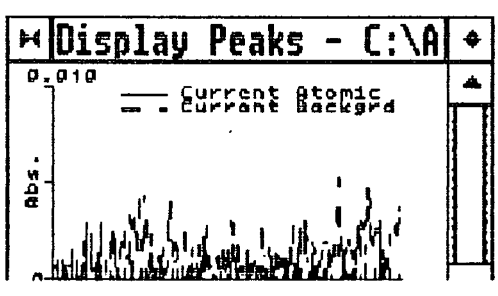
QC sample is within range 22.5 - 27.5

~~~~~~

Tl ID: CCB Seq. No.: 00024 A/S Pos.: 2 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 Time: 16:22
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.4

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 16:24
Peak Area (A-s): 0.000 Peak Height (A): 0.003
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.4



0297
~~~~~~

Mean Conc (ug/L): -0.4 SD: 0.02 RSD(%): 4.25

QC sample is within range -10.0 - 10.0

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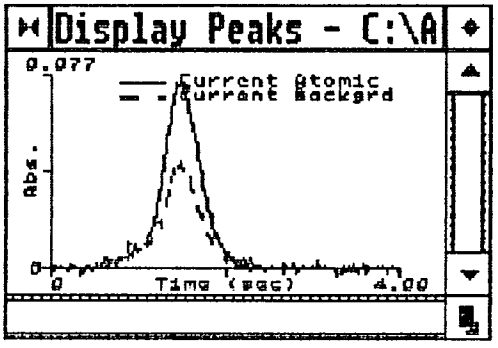

111.0%

Mean Conc (ug/L): 22.2 SD: 0.43 RSD(%): 1.94

Recovery is 111.9%

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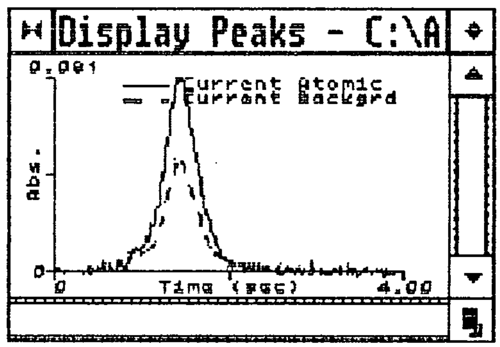
uL dispensed: 5 from 1, 4 from 6, 20 from 15
Replicate 1 Time: 16:43
Peak Area (A-s): 0.040 Peak Height (A): 0.079
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.046
Blank Corrected Pk Area (A-s): 0.039

Concentration (ug/L): 22.0

uL dispensed: 5 from 1, 4 from 6, 20 from 15
Replicate 2 (Peak Stored) Time: 16:46
Peak Area (A-s): 0.040 Peak Height (A): 0.081
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.047
Blank Corrected Pk Area (A-s): 0.039
Concentration (ug/L): 22.4



111.0 %

Mean Conc (ug/L): 22.2 SD: 0.31 RSD(%): 1.38

Recovery is 110.8%

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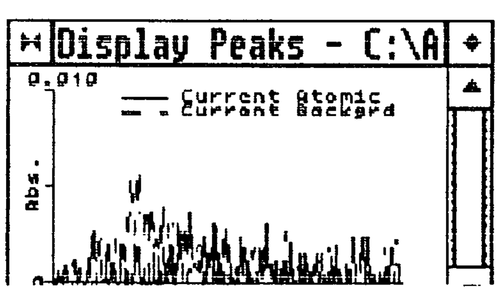
Tl ID: 1005-02 A22D Seq. No.: 00029 A/S Pos.: 16 Date: 10/24/94

MS-2D

uL dispensed: 4 from 2, 5 from 1, 20 from 16
Replicate 1 Time: 16:48
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.0

uL dispensed: 4 from 2, 5 from 1, 20 from 16
Replicate 2 (Peak Stored) Time: 16:51
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.2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Mean Conc (ug/L): 0.1 SD: 0.19 RSD(%): 202.84

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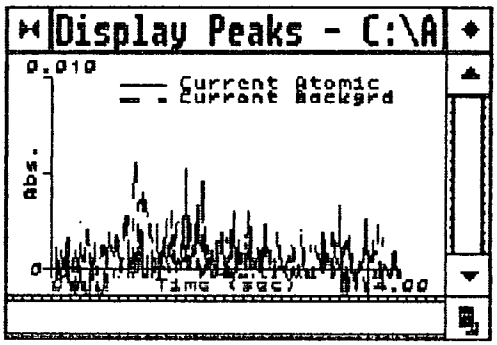

Mean Conc (ug/L): -0.1 SD: 0.11 RSD(%): 99.60

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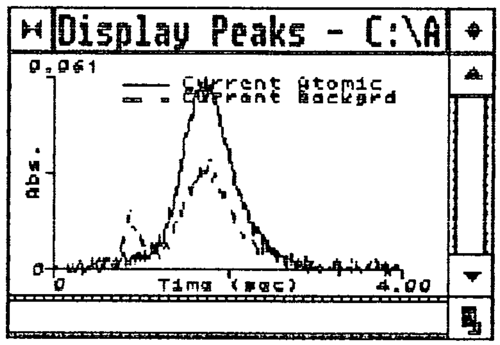
uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 Time: 17:10
Peak Area (A-s): 0.045 Peak Height (A): 0.058
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.033
Blank Corrected Pk Area (A-s): 0.044

Concentration (ug/L): 25.1

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored) Time: 17:12
Peak Area (A-s): 0.045 Peak Height (A): 0.061
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.044
Concentration (ug/L): 25.2



100.4%

Mean Conc (ug/L): 25.1 SD: 0.04 RSD(%): 0.16

QC sample is within range 22.5 - 27.5

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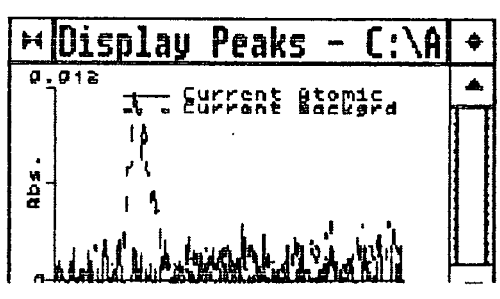
T1 ID: CCB Seq. No.: 00034 A/S Pos.: 2 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 Time: 17:15
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.016
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.5

uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 2 (Peak Stored) Time: 17:18
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.006 Background Pk Height (A): 0.012
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.3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Mean Conc (ug/L): -0.4 SD: 0.12 RSD(%): 31.55

QC sample is within range -10.0 - 10.0

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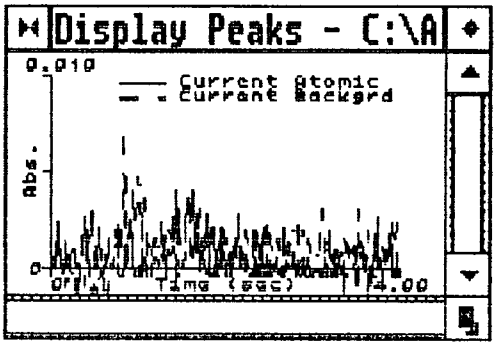

Mean Conc (ug/L): 0.1 SD: 0.19 RSD(%): 224.77

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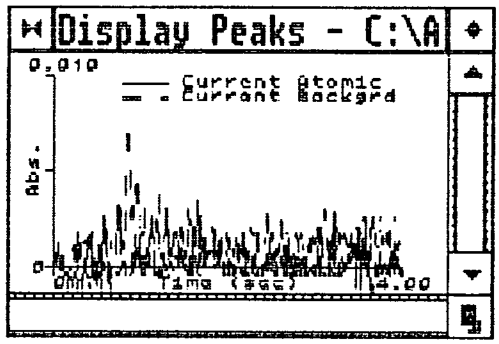
uL dispensed: 4 from 2, 5 from 1, 20 from 20
Replicate 1 Time: 17:36
Peak Area (A-s): 0.000 Peak Height (A): 0.004
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): -0.001

Concentration (ug/L): -0.4

uL dispensed: 4 from 2, 5 from 1, 20 from 20
Replicate 2 (Peak Stored) Time: 17:39
Peak Area (A-s): 0.001 Peak Height (A): 0.004
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L): -0.0



Mean Conc (ug/L): -0.2 SD: 0.28 RSD(%): 127.20

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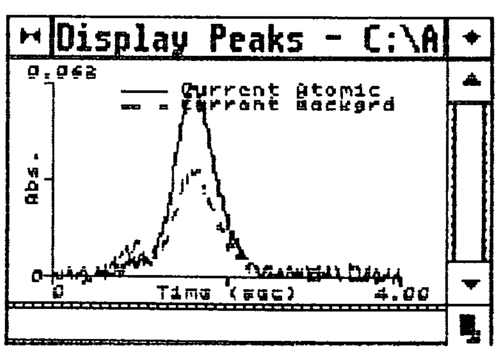
Tl ID: 1005-02 A11C .A Seq. No.: 00039 A/S Pos.: 20 Date: 10/24/94
MS-ICA

uL dispensed: 5 from 1, 4 from 6, 20 from 20
Replicate 1 Time: 17:42
Peak Area (A-s): 0.037 Peak Height (A): 0.060
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.035
Blank Corrected Pk Area (A-s): 0.036
Concentration (ug/L): 20.6

uL dispensed: 5 from 1, 4 from 6, 20 from 20
Replicate 2 (Peak Stored) Time: 17:44
Peak Area (A-s): 0.038 Peak Height (A): 0.062
Background Pk Area (A-s): 0.027 Background Pk Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.037
Concentration (ug/L): 20.9

103.5 %



0306
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Mean Conc (ug/L): 20.7 SD: 0.17 RSD(%): 0.80

Recovery is ~~104.8%~~

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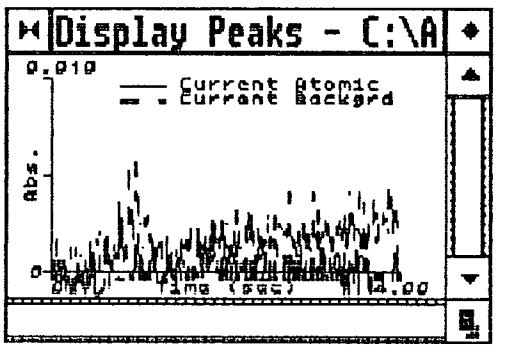


Mean Conc (ug/L): -0.7 SD: 0.31 RSD(%): 44.09

QC sample is within range -10.0 - 10.0

HG CALIBRATION AND CALCULATIONS

DATE : 10/24/94

STD. CONC, PPB	% TRANSMITTANCE	ABSORBANCE	PREDICTED CONC., PPB
0.0	99.0	0.0044	0.00
0.5	94.0	0.0269	0.54
1.0	90.5	0.0434	0.98
5.0	63.5	0.1972	5.11
10.0	42.0	0.3768	9.94

Regression Statistics

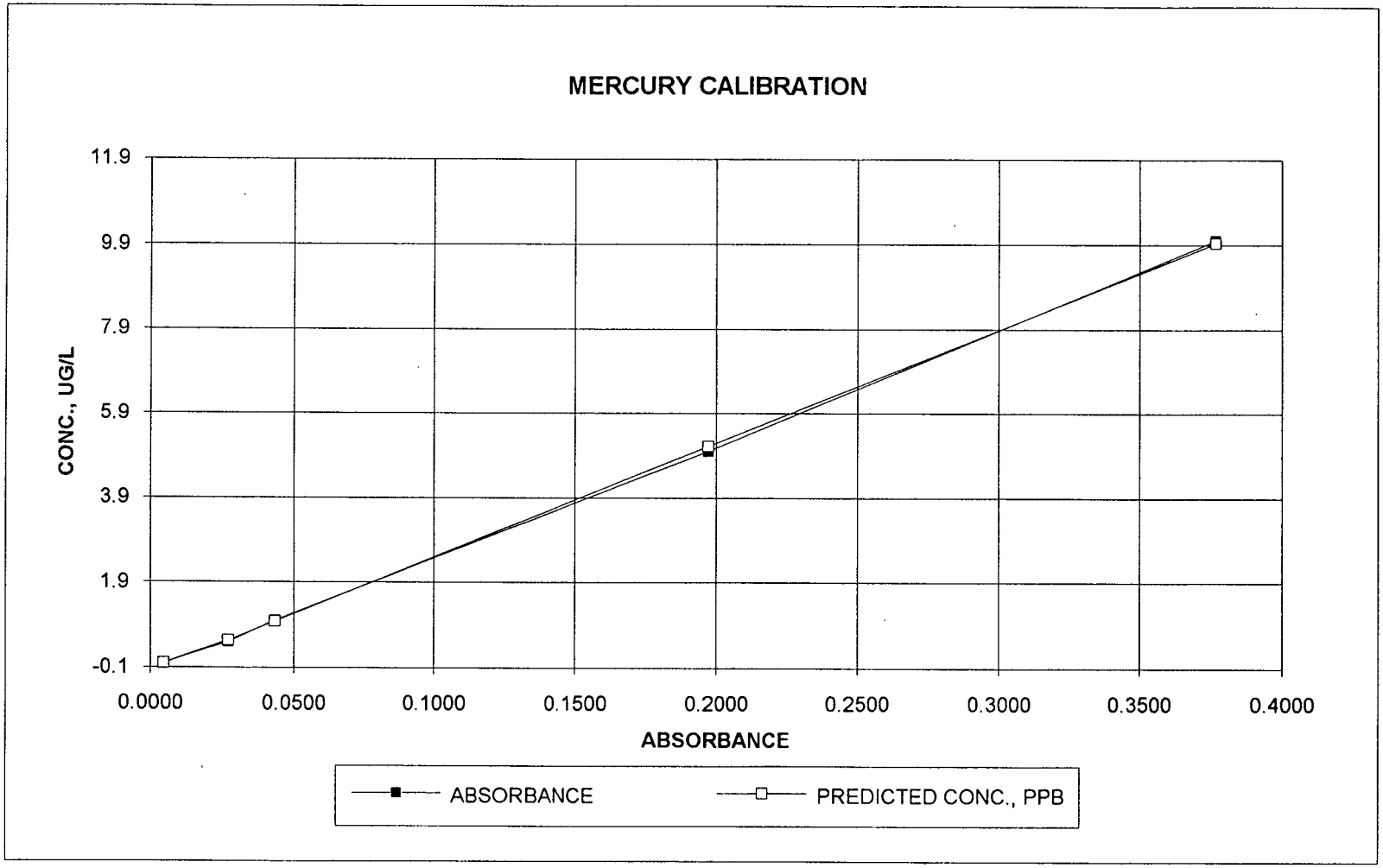
Multiple R	0.999837988
R Square	0.999676002
Adjusted R Square	0.999568003
Standard Error	0.088058771
Observations	5

Analysis of Variance

	df	Sum of Squares	Mean Square	F	ignificance F
Regression	1	71.77673696	71.77673696	9256.322	2.48E-06
Residual	3	0.023263041	0.007754347		
Total	4	71.8			

	Coefficients	Standard Error	t Statistic	P-value	Lower 95%	Upper 95%
Intercept	-0.186824763	0.053519569	-3.490774767	0.025105	-0.35715	-0.0165
x1	26.88105929	0.279400477	96.20978302	7E-08	25.99188	27.77024

0309


MERCURY CALIBRATION
CONC., UG/L
11.9
9.9
7.9
5.9
3.9
1.9
-0.1
0.0000
0.0500
0.1000
0.1500
0.2000
0.2500
0.3000
0.3500
0.4000
ABSORBANCE
ABSORBANCE
PREDICTED CONC., PPB

0310

CALCULATIONS:

SAMPLE	%T	ABS	CONC, PPB
ICV	64.5	0.1904	4.93
ICB	99	0.0044	-0.07
CRA	97.5	0.0110	0.11
PREP BLANK	99	0.0044	-0.07
LCS	66	0.1805	4.66
E1005-02 A4-4C	98	0.0088	0.05
E1005-02 A2-2A	98	0.0088	0.05
E1005-02 A2-2D	98.5	0.0066	-0.01
E1005-02 A2-2D MS	81	0.0915	2.27
E1005-02 A2-2D MSD	98.5	0.0066	-0.01
E1005-02 A1-1D	98.5	0.0066	-0.01
CCV	79.5	0.0996	2.49
CCB	98.5	0.0066	-0.01
E1005-02 A1-1C	98.5	0.0066	-0.01
E1006-05 GROUP C	98	0.0088	0.05
E1006-05 GROUP C MS	80	0.0969	2.42
E1006-05 GROUP C MSD	98	0.0088	0.05
E1006-05 GROUP H	72	0.1427	3.65
E1006-05 GROUP X	78.5	0.1051	2.64
CCV	80	0.0969	2.42
CCB	98.5	0.0066	-0.01
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		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!

0311

0312

HG CALIBRATION AND CALCULATIONS

DATE : 10/19/94

STD. CONC, PPB	% TRANSMITTANCE	ABSORBANCE	PREDICTED CONC., PPB
0.0	99.0	0.0044	0.00
0.5	95.5	0.0200	0.48
1.0	92.5	0.0339	0.90
5.0	66.5	0.1772	5.22
10.0	46.5	0.3325	9.90

Regression Statistics

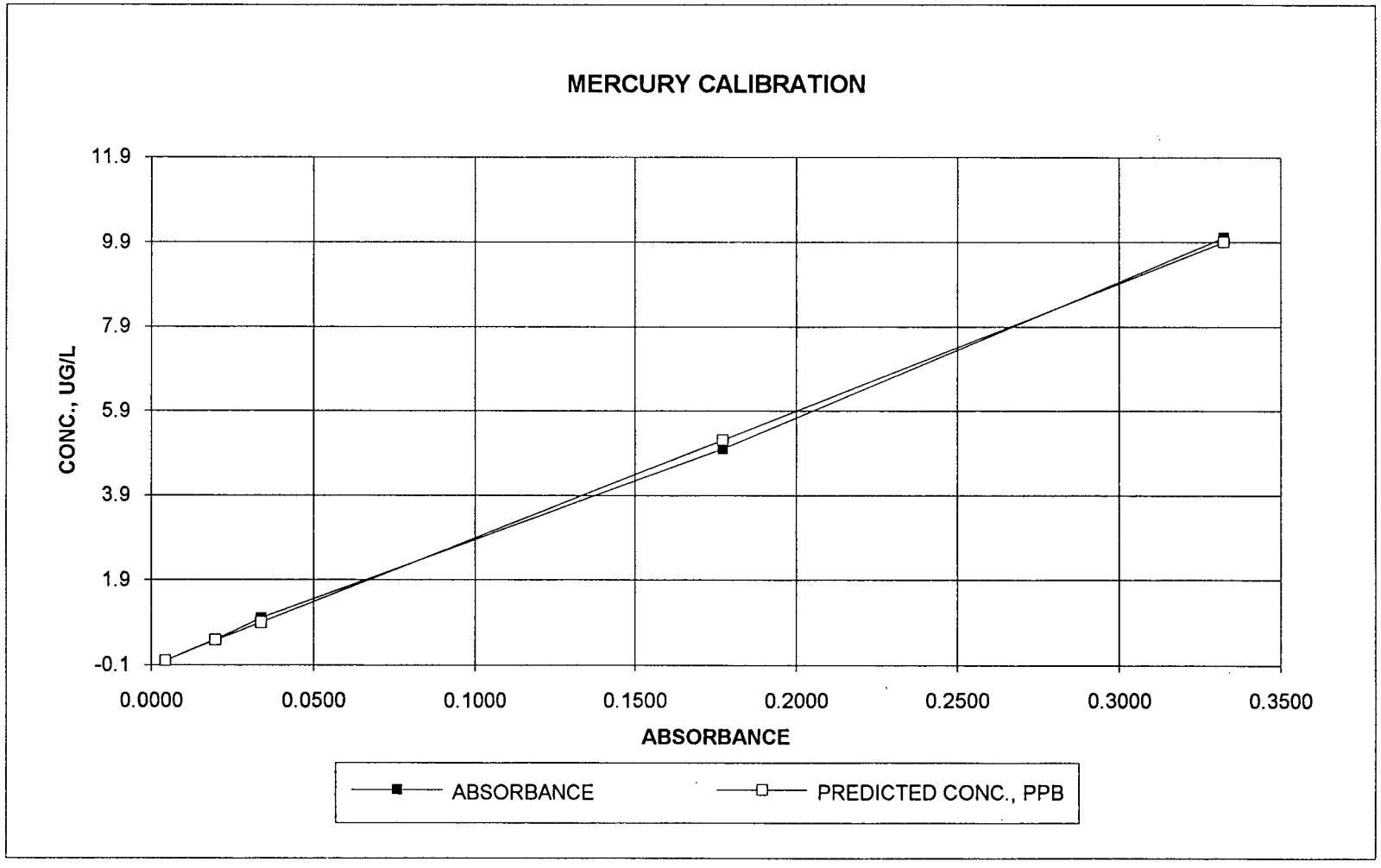
Multiple R	0.999525364
R Square	0.999050954
Adjusted R Square	0.998734605
Standard Error	0.150711119
Observations	5

Analysis of Variance

	df	Sum of Squares	Mean Square	F	ignificance F
Regression	1	71.73185848	71.73185848	3158.068	1.24E-05
Residual	3	0.068141524	0.022713841		
Total	4	71.8			

	Coefficients	Standard Error	t Statistic	P-value	Lower 95%	Upper 95%
Intercept	-0.122071228	0.090834532	-1.343885689	0.250151	-0.41115	0.167005
x1	30.12677819	0.536095229	56.19669148	6E-07	28.42068	31.83287

0312


MERCURY CALIBRATION
CONC., UG/L
11.9
9.9
7.9
5.9
3.9
1.9
-0.1
0.0000
0.0500
0.1000
0.1500
0.2000
0.2500
0.3000
0.3500
ABSORBANCE
ABSORBANCE
PREDICTED CONC., PPB

0313

CALCULATIONS:

SAMPLE	%T	ABS	CONC, PPB
ICV	66.5	0.1772	5.22
ICB	98.5	0.0066	0.08
CRA	97.5	0.0110	0.21
PREP BLANK	98.5	0.0066	0.08
E1005-02 FIELD BLK	99	0.0044	0.01
E1006-05 FIELD BLK	99	0.0044	0.01
CCV	82	0.0862	2.47
CCB	99	0.0044	0.01
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		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
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		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
		#DIV/0!	#DIV/0!
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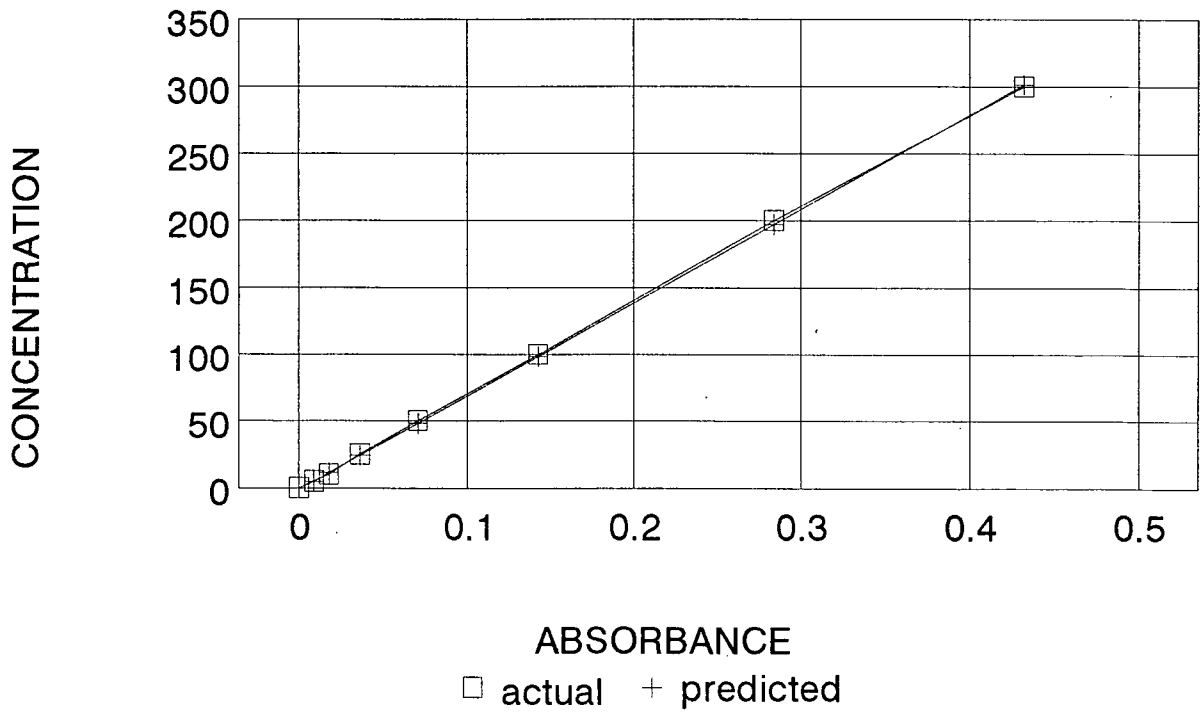
		#DIV/0!	#DIV/0!

0314

Regression Output:

CYANIDE
DATE:10/14/94



ug/l CN	'PERCENTABSORB		ACTUAL CN	Regression	Regression Output:		
0	100.0	0.00000	0.00		Constant		0.00
5	98.0	0.00877	4.77		Std Err of Y Est		1.35
10	96.0	0.01773	11.02		R Squared		1.00
25	92.0	0.03621	23.92		No. of Observations		8.00
50	85.0	0.07058	47.90		Degrees of Freedom		7.00
100	72.0	0.14267	98.21				
200	52.0	0.28400	196.83		X Coefficient(s)	697.83	
300	37.0	0.43180	301.32		Std Err of Coef.	2.49	

SAMPLE	PERCENT T	ABSORB	UG/L CN	S. WT	% SOLIDS	MG/KG	DET LIMIT
ICV	73	0.1367	95.38			ERR	ERR
ICB	100	0.0000	0.00			ERR	ERR
DIG BK	99	0.0044	3.05			ERR	ERR
FLD BK	99	0.0044	3.05			ERR	ERR
~~AR 4 S 4C~~ MS-1C	100	0.0000	0.00	4.74	81.00	0.00	0.26
~~A2 S 2A~~ MS-2A	98	0.0088	6.12	4.98	73.00	0.17	0.28
~~A 2 S 2D~~ MS-2D	99	0.0044	3.05	4.97	77.00	0.08	0.26
~~A 1 S 1D~~ MS-1D	98	0.0088	6.12	4.63	69.00	0.19	0.31
~~A 1 S 1C~~ MS-1C	99	0.0044	3.05	4.99	73.00	0.08	0.27
CCV	87	0.0630	43.95			ERR	ERR
CCB	100	0.0000	0.00			ERR	ERR
STD 100	74	0.1308	91.25			ERR	ERR
DIG BK	100	0.0000	0.00			ERR	ERR
2D MS MS-2DMS	< 2	1.6990	1185.59	4.95	77.00	31.09	0.26
2D MSD MS-2DMSD	99	0.0044	3.05	4.79	77.00	0.08	0.27
DIG 50 STD	86	0.0680	47.48			ERR	ERR
GROUP C	96	0.0177	12.37	4.92	81.00	0.31	0.25
GROUPH	91	0.0410	28.58	4.96	90.00	0.64	0.22
GROUP X	93	0.0315	21.99	5.03	91.00	0.48	0.22
CCV	86	0.0655	45.71			ERR	0.28
CCB	100	0.0000	0.00			ERR	0.25
DIG BK	100	0.0000	0.00			ERR	ERR
DIG KNOWN	73	0.1367	95.38			ERR	ERR
FIELD BK	99	0.0044	3.05			ERR	ERR
GR C MS	< 2	1.6990	1185.59	4.84	81.00	30.22	ERR
G C MSD	95	0.0223	15.55	5.07	81.00	0.38	
2D MS 10X	63	0.2041	142.44 1,424	4.95	~~72.00~~ 76.8	3.99 × 10	
GP C MS10X	61	0.2147	149.80 1,498	4.84	81.00	3.82	
CCV	86	0.0655	45.71			ERR	
CCB	100	0.0000				ERR	
						ERR	

10/6/94 DES

ICP LCS (digested ICV):
10ml Leeman CLP-1; 2ml CLP-2;
1ml CLP-3; 10ml Leeman CLP-4 ↗ 100ml

Furnace LCS for Pb, Se, Tl:
4ml 100X Spex QC-19 ↗ 100ml (final conc: 40ppb)
(1ml Spex QC-19 ↗ 100ml)

Furnace LCS for As:
4ml 100X Leeman CLP std-4 ↗ 100ml (final conc: 40ppb)
(1ml Leeman CLP-4 ↗ 100ml)

ICP LCS for Sb:
1ml Spex QC-19 ↗ 100ml (final conc = 1ppm)

ICP spike:
3ml Spex spike-1 ↗ 200ml

Furnace spike:
10ml 100X Spex ICAL-4 ↗ 200ml
(1ml Spex ICAL-4 ↗ 100ml)
Final conc As, Tl = 50ppb
Se, Pb = 25ppb

10/6/94 DES

ICP LCS (digested ICV):

10ml Leeman CLP-1; 2ml CLP-2;
1ml CLP-3; 10ml Leeman CLP-4 ↗ 100ml

Furnace LCS for Pb, Se, Tl:

4ml 100X Spex QC-19 ↗ 100ml (final conc: 40ppb)
(1ml Spex QC-19 ↗ 100ml)

Furnace LCS for As:

4ml 100X Leeman CLP std-4 ↗ 100ml (final conc: 40ppb)
(1ml Leeman CLP-4 ↗ 100ml)

ICP LCS for Sb:

1ml Spex QC-19 ↗ 100ml (final conc = 1ppm)

ICP spike:

3ml Spex spike-1 ↗ 200ml

Furnace spike:

10ml 100X Spex ICAL-4 ↗ 200ml
(1ml Spex ICAL-4 ↗ 100ml)

Final conc As, Tl = 50ppb
Se, Pb = 25ppb

10/7/94 DES

CLP Calibration Std

5% HCL 5% HNO_3

Source: SPEX ICAL-4

Cal std: 10ml ICAL-4 ↑ 100ml

Pb concentration: 5 mg/L

SPEX std used for CCV (½ cal std)

Source: SPEX ICAL-4

CCV: 5ml ICAL-4 ↑ 100ml 5% HCL 5% HNO_3

Pb concentration: 2.5 mg/L

Leeman Std's used for ICV

5% HCL 5% HNO_3

Source: Leeman CLP std-4

ICV: 10ml CLP std 4

Pb concentration: 5 mg/L

2x IDL std for Pb: 5% HCL 5% HNO_3

2ml 1ppm Pb (Johnson Mathey) ↑ 25ml = 0.08ppm Pb

10/7/94 DES

CLP Calibration Std

5% HCL 5% HNO_3

Source: SPEX ICAL-4

Cal std: 10ml ICAL-4 ↑ 100ml

Pb concentration: 5 mg/L

SPEX std used for CCV (½ cal std)

Source: SPEX ICAL-4

CCV: 5ml ICAL-4 ↑ 100ml 5% HCL 5% HNO_3

Pb concentration: 2.5 mg/L

Leeman Std's used for ICV

5% HCL 5% HNO_3

Source: Leeman CLP std 4

ICV: 10ml CLP std 4

Pb concentration: 5 mg/L

2x IDL std for Pb: 5% HCL 5% HNO_3

2ml 1ppm Pb (Johnson Mathey) ↑ 25ml = 0.08ppm Pb

10/27/94 DES CLP Calibration

5% HCL 5% HNO_3

Source: SPEX ICAL-1, ICAL-2, ICAL-3, ICAL-4

Cal Std: 10ml ICAL-1
2ml ICAL-2
1ml ICAL-3
10ml ICAL-4

100ml

Concentrations (mg/L):

Al	20
Ba	20
Be	0.5
Cd	5
Ca	500
Cr	2
Co	5
Cu	2.5
Fe	10
Pb	5
Mg	500
Mn	3
Ni	8
K	500
Ag	2
Na	500
V	5
Zn	4

10/27/94 DES Spex Std's used for CCV (½ Cal std)
5% HCL 5% HNO_3

Source: SPEX ICAL-1, ICAL-2, ICAL-3, ICAL-4

CCV: 5ml ICAL-1
1ml ICAL-2
0.5ml ICAL-3
5ml ICAL-4
} 100ml

Concentrations (mg/L):

Al	10
Ba	10
Be	0.25
Cd	2.5
Ca	250
Cr	1.0
Co	2.5
Cu	1.25
Fe	5
Pb	2.5
Mg	250
Mn	1.5
Ni	4.0
K	250
Ag	1.0
Na	250
V	2.5
Zn	2.0

10/27/94 DES Leeman CLP std's for ICV

5% HCL 5% HNO_3

Source: Leeman CLP std 1, CLP std 2, CLP std 3, CLP std 4

ICV: 10ml CLP std 1
2ml CLP std 2
1ml CLP std 3
10ml CLP std 4

concentrations (mg/L):

Al	20.11
Ba	20.00
Be	0.5055
Cd	5.01
Ca	500
Cr	2.002
Co	5.005
Cu	2.539
Fe	10.00
Pb	5.00
Mg	500
Mn	3.00
Ni	8.004
K	500
Ag	2.00
Na	500.1
V	5.00
Zn	4.038

SPEX

CERTIFICATE OF ANALYSIS

Rec'd 1/21/94

Catalog Number: SPIKE-1

Description: Spike Sample Standard

Lot Number: 6-88AS

ICP CHECK:

Element	Labeled[ug/ml]	Measured[ug/ml]	Element	Labeled[ug/ml]	Measured[ug/ml]
Al	200	200.92	Fe	100	100.42
Sb	50	50.50	Pb	50	50.10
As	200	201.22	Mn	50	49.91
Ba	200	200.91	Ni	50	50.00
Be	5	4.96	Se	200	200.96
Cd	5	5.04	Ag	5	4.96
Cr	20	20.07	Tl	200	201.78
Co	50	50.08	V	50	50.13
Cu	25	25.36	Zn	50	49.92

Instrumental Analysis by Inductively Coupled Plasma Spectroscopy:

The following SRM's were used in establishing the above results:

Al: NIST 3101, Sb: NIST 3102, As: NIST 3103, Ba: NIST 3104,
Be: NIST 3105, Cd: NIST 3108, Cr: NIST 3112, Co: NIST 3113,
Cu: NIST 3114, Fe: NIST 3126, Pb: NIST 3128, Mn: NIST 3132,
Ni: NIST 3136, Se: NIST 3149, Ag: NIST 3151, Tl: NIST 3158,
V : NIST 3165, Zn: NIST 3168.

Spex Reference Multi: Lot #1-79BDREF, 5-154AS, 4-257AS

Balances are calibrated with NIST weight sets N.J. #76552, #76543, #82395, according to NIST circular 547 3.4.3.

SPEX plasma solution standards are guaranteed stable and accurate to ± 0.5% of labeled concentration for one year from date of shipment. This value is the sum of cumulative errors associated with analytical determinations, pipetting and diluting to final volume. For these solutions we use high purity acids, 18 megohm double deionzed water and triple rinsed bottles. All glassware used is class A.

Signed by: N. Kocherlakota, Chemical Production Manager Date: JAN 94

SPEX

Printed on Recycled Paper

SPEX INDUSTRIES, INC. 3880 PARK AVE. EDISON, N.J. 08820 908-549-7144 FAX: 908-603-9647

SPEX

CERTIFICATE OF ANALYSIS

Rec'd 1/21/94

Catalog Number: CRDL-1

Description: Contract Required D.L. Standard

Lot Number: 6-87AS

1500X

ICP CHECK:

Element	Labeled[ug/ml]	Measured[ug/ml]	Element	Labeled[ug/ml]	Measured[ug/ml]
Sb	120	120.52	Mn	30	30.01
As	20	20.11	Ni	80	79.99
Be	10	9.97	Se	10	10.16
Cd	10	10.08	Ag	20	20.10
Cr	20	20.07	Tl	20	20.08
Co	100	100.36	V	100	100.30
Cu	50	50.00	Zn	40	40.17
Pb	6	6.14			

Instrumental Analysis by Inductively Coupled Plasma Spectroscopy:

The following SRM's were used in establishing the above results:

Sb: NIST 3102	As: NIST 3103	Be: NIST 3105	Cd: NIST 3108
Cr: NIST 3112	Co: NIST 3113	Cu: NIST 3114	Pb: NIST 3128
Mn: NIST 3132	Ni: NIST 3136	Se: NIST 3149	Ag: NIST 3151
Tl : NIST 3158	V : NIST 3165	Zn: NIST 3168	

Spex Reference Multi: Lot #1-88BDREF, 5-165AS, 4-242AS

Balances are calibrated with NIST weight sets N.J. #76552, #76543, #82395, according to NIST circular 547 3.4.3.

SPEX plasma solution standards are guaranteed stable and accurate to ± 0.5% of labeled concentration for one year from date of shipment. This value is the sum of cumulative errors associated with analytical determinations, pipetting and diluting to final volume. For these solutions we use high purity acids, 18 megohm double deionzed water and triple rinsed bottles. All glassware used is class A.

Signed by: N. Kocherlakota, Chemical Production Manager Date: JAN 94

SPEX

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ICCD 10/12

SPEX

ISO 9001

CERTIFICATE OF ANALYSIS

Catalog Number: ICAL-4

Description: Instrument Calibration Standard 4

Lot Number: 6-109AS

ICP CHECK:

Element	Labeled[ug/ml]	Measured[ug/ml]	Element	Labeled[ug/ml]	Measured[ug/ml]
As	100	99.95			
Cd	50	49.92			
Pb	50	49.92			
Se	50	49.90			
Tl	100	100.69			

Instrumental Analysis by Inductively Coupled Plasma Spectroscopy:

The following SRM's were used in establishing the above results:

As: NIST 3103 Cd: NIST 3108 Pb: NIST 3128 Se: NIST 3149
Tl: NIST 3158.

Spex Reference Multi: Lot #1-94BDREF, 6-74AS, 5-134AS, 4-261AS

Balances are calibrated with NIST weight sets N.J. #92589 and #92550, according to NIST circular 547 3.4.3.

SPEX plasma solution standards are guaranteed stable and accurate to ± 0.5% of labeled concentration for one year from date of shipment. This value is the sum of cumulative errors associated with analytical determinations, pipetting and diluting to final volume. For these solutions we use high purity acids, 18 megohm double deionzed water and triple rinsed bottles. All glassware used is class A.

Signed by: N. Kocherlakota, Chemical Production Manager, Date: OCT 94

SPEX

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SPEX INDUSTRIES, INC. 3880 PARK AVE EDISON, N.J. 08820 908-549-7144 FAX 908-603-9647

0326

Arsenic

Supplier : Spex plas 2 - 2x at 1000 ug/ml (ppm)
Lot # : 3 - 105 AS expires — 10/31/94
Rec'd : 10/21/93

Stock conc. — 10 ppm
Perform 100x dilution on 1000 ug/ml Stock as follows:

1 ml 1000 ug/ml AS ↑ 100 ml in 2% HNO_3
Dates prepared — 10/21/93 sm

Working Standard Template

100 ppb = 1 ml 10 ppm Stock ↑ 100 ml in 2% HNO_3
50 ppb = 0.5 ml 10 ppm Stock ↑ 100 ml in 2% HNO_3
25 ppb = 25 ml of 50 ppb Std ↑ 50 ml in 2% HNO_3
10 ppb = 2 ml of 50 ppb Std ↑ 10 ml

	Dates prepared	Concentrations
sm	3/18/94, 3/25/94, 3/29/94, 4/6/94, 4/11/94, 4/13/94, 4/20/94, 4/25/94, 5/2/94, 5/10/94, 5/16/94, 5/20/94, 5/24/94, 6/30/94, 7/12/94, 8/5/94, 8/16/94, 9/1/94, 10/5/94, ~~10/21/94~~ CLP	10 ppb, 25 ppb, 50 ppb
sm	10/21/94 — 2% HNO_3 CLP 100 ppb (Spike Solution)	
	8/16/94, 4/11/94, 10/21/94	

0327

Lead

Supplier Johnson Matthey 1000 ug/ml
Lot # 010976 H
Date rec'd 10/4/93 opened 12/13/93

Stock conc – 10 ppm = 100x dilution – 12/13/93 SM
1 ml 1000 ug/ml Pb 1 100ml DI in 5% HNO_3

Template

	final vol.		
Blank	100ml	– 1ml HNO_3	1% HNO_3
3ppb	50ml	– 3ml 50 ppb std ↑ 50ml	
10ppb	10ml	– 2ml 50ppb std + 8ml BLK	
25 ppb	50ml	– 25ml 50ppb std + 25ml BLK	
50 ppb	100ml	– 2ml HNO_3 + 0.5ml 10 ppm Std	
5 ppb	10ml	– 1ml 50 ppb std + 9ml BLK	

0328

Initial	Date	conc. ppb	Date	conc ppb
SM	3/15/94	5,10,25,50	5/3/94	10,25,50
	3/21/94	5,10,25,50	5/12/94	10,25,50
	3/22/94	10,25,50	5/24/94	10,25,50
	3/23/94	10,25,50	6/17/94	10,25,50
	3/28/94	5,25,50	6/27/94	50
	3/31/94	5,25,50,100	6/29/94	25,10 from
	4/4/94	5,25,50,100	7/6/94	10,25,50
	4/14/94	3,25,50,100	7/15/94	5,10,25,50
✓	4/21/94	3,25,50,100	7/27/94	5,10,25,50
	4/26/94	10,25,50,100	8/2/94	5,10,25,50

Lead (cont.)

Date	conc, ppb		
8/9/94	5, 10, 25, 50		
8/10/94	10, 25, 50		
8/12/94	10, 25, 50		
8/24/94	10, 25, 50		
9/6/94	3, 25, 50, 100	2% HNO_3	
10/7/94	10, 25, 50	1% HNO_3	
10/17/94	3, 25, 50, 100	1% HNO_3	CLP
10/20/94	3, 25, 50, 100	2% HNO_3	CLP
11/14/94	10, 25, 50	1% HNO_3	

Selenium

Supplier : Johnson Matthey 1000 ug/ml (ppm)
Lot # : 301548C
Date rec'd : 12/30/93 Opened 1/12/94

Stock conc – 10 ppm = 100 x dilution — Date/Initial 1/13/94 SM
1 ml 1000 ug/ml Se ↑ 100 ml DI H_2O in 5% HNO_3

final vol. Template

Blank – 100 ml vol. – 2 ml HNO_3 + ~~0.5 ml 5% $Ni(NO_3)_2$~~ SM
5 ppb – 10 ml vol – 1 ml 50 ppb std + 9 ml Blank
10 ppb – 10 ml vol – 2 ml 50 ppb std + 8 ml Blank
25 ppb – 50 ml vol. – 25 ml 50 ppb std + 25 ml Blank
50 ppb – 100 ml vol. – 2 ml HNO_3 + 0.5 ml 5% $Ni(NO_3)_2$ + 0.5 ml 10 ppm stock

Initial	Date	Conc. ppb	Date	Conc ppb
SM	3/16/94	10, 25, 50	4/28/94	10, 25, 50
SM	3/17/94	10, 25, 50	5/4/94	10, 25, 50
SM	3/24/94	10, 25, 50	5/10/94	10, 25, 50
SM	3/29/94	10, 25, 50	5/11/94	10, 25, 50
	4/6/94	10, 25, 50	5/17/94	10, 25, 50
	4/14/94	10, 25, 50	5/24/94	10, 25, 50
	4/19/94	10, 25, 50	5/31/94	10, 25, 50
	4/25/94	10, 25, 50	6/13/94	10, 25, 50
	4/20/94	10 ppm Stock	6/24/94	10, 25, 50
	4/20/94	10, 25, 50	7/5/94	10, 25, 50
			8/11/94	10, 25, 50

Selenium (cont.)

	Date	conc.		
dm	8/17/94	5, 10, 25, 50	2% HNO_3	
	9/1/94	5, 10, 25, 50	2% HNO_3	
	10/3/94	5, 10, 25, 50	1% HNO_3	
10/10/94,	10/24/94	5, 10, 25, 50	2% HNO_3	CLP
	11/3/94 dm	5, ~~10~~, 25, 50	2% HNO_3	CLP

Thallium

Supplier Johnson Matthey 1000 ug/ml
Lot # 3-0967 J
Date rec'd 12/30/93 opened 1/7/94

Stock conc - 10 ppm = 100x dilution 1/7/94
1 ml 1000 ug/ml Tl → 100 ml DI in 5% HNO_3

Template

final vol.

BLK - 100 ml DI - 1 ml HNO_3 1%
50 ppb - 100 ml - 1 ml HNO_3 + 0.5 ml 10 ppm std
25 ppb - 50 ml - 25 ml 50 ppb std + 25 ml BLK
10 ppb - 10 ml - 2 ml 50 ppb std + 8 ml BLK
100 ppb - 100 ml - 1% HNO_3 + 1 ml 10 ppm std

Initial	Date	Conc ppb	Date	Conc ppb
Am	3/19/94	10, 25, 50, 100	8/8/94	10, 25, 50
	3/25/94	5, 25, 100	9/6/94	10, 25, 50, 100 2% HNO_3
	3/30/94	10, 25, 50	10/11/94	10, 25, 50, 100
	4/5/94	10, 25, 50, 5	10/24/94	10, 25, 50, 100 2% HNO_3
	4/18/94	10, 25, 50	11/3/94	10, 25, 50, 100 2% HNO_3
	4/25/94	10, 25, 50		
	5/16/94	10, 25, 50		
	6/1/94	10, 25, 50		
	6/24/94	10, 25, 50		
	6/30/94	10, 25, 50		

10/19/94 DES

100ppb Hg Std: 5% HNO_3

1ml (1000ppm Hg Johnson Matthey) ↗ 100ml = 10ppm Hg

10ml (10ppm Hg) ↗ 1000ml = 100ppb Hg

Hg working std's:

10ml (100ppb Hg) ↗ 100ml = 10ppb
5ml (100ppb Hg) ↗ 100ml = 5ppb
1ml (100ppb Hg) ↗ 100ml = 1ppb
0.5ml (100ppb Hg) ↗ 100ml = 0.5ppb

ICV:

1ml (ERA 500ppb Std) ↗ 100ml = 5ppb

CCV:

2.5ml (100ppb Std Johnson Matthey) ↗ 100ml = 2.5ppb

CRA:

2ml (10ppb Hg Johnson Matthey) ↗ 100ml = 0.2ppb

10/24/94 DES Hg Std's

100ppb Hg Std: 5% HNO_3
1ml (1000ppm) ↑ 100ml = 10ppm
Johnson Matthey

10ml (10ppm Hg) ↑ 100ml = 100ppb

Hg working std's:
10ml (100 ppb Hg) ↑ 100ml = 10ppb
5ml (100ppb Hg) ↑ 100ml = 5ppb
1ml (100ppb Hg) ↑ 100ml = 1ppb
0.5ml (100ppb Hg) ↑ 100ml = 0.5ppb

ICV: 1ml (ERA 500ppb Std) ↑ 100ml = 5ppb

CRA: 2ml (10ppb Hg) ↑ 100ml = 0.2ppb
Johnson Matthey

CCV: 2.5ml (100ppb Hg) ↑ 100ml = 2.5ppb
Johnson Matthey

LCS: ICV with crushed glass = 5ppb

Hgms: 0.5ml ERA 500ppb Std added
Spike = 2.5ppb

10/14/94

Stock Standard Potassium Ferricyanide

0.4218 g/l

5 mls @ 1000 mls then 10 @ 500

10 ppm

Spike 125 mls of Std @ (Stock 5 @ 1000) = 1250 ug/l

25 ug cn/g soil

KCN Stock.

AgNO3 (16.60 mls) for 20 mls KCN

830 (12.05 mls) = (10 ppm) (1000)

10 mls @ 100 = 1 ppm

0.5 ml @ 100	5 ug/l
1.0	10
2.5	25
5.0	50
10.0	100
20.0	200
30.0	300

10/5/94 DES Retec-E1005-02 CLP Prep Log

Soil prep: (filtered)	Beaker #	ICP 5% HCL 8% HNO_3 digestion	Beaker #	Furnace 2% HNO_3 digestion
A4-4C FURN	1A	1.509g ↑200ml	2A	1.517g ↑200ml
A2-2A FURN	3A	1.521g	4A	1.527g
A2-2D FURN	5A	1.514g	6A	1.519g
A2-2D MS spike soil added	7A	1.512g	8A	1.511g
A2-2D MSD	9A	1.518g	10A	1.520g
A1-1D FURN	11A	1.531g	12A	1.513g
A1-1C FURN	13A	1.512g	14A	1.499g
✓ A4-4A	15A	1.528g		
A4-4B	16A	1.503g		
A2-2B	17A	1.499g		
A2-2C	18A	1.516g		
A2-2E	19A	1.523g		
A1-1A	20A	1.520g		
A1-1B	21A	1.527g		
prep Blank	22A	1.522g crushed glass ↑200ml	23A	1.524g crushed glass ↑200m
LCS	24A	1.527g crushed glass ↑100ml digested for Sb	25A	1.512g crushed glass ↑100ml for Se, Tl
LCS	26A	1.506g crushed glass ↑100ml for Sb	27A	1.535g crushed glass ↑100ml for As
Water prep: (did not filter)				
Field Blank	28A	100ml	29A	100ml
Prep Blank	30A	DI water ↑100ml	31A	DI water ↑100ml

A336

LCS & spike solutions next page

on: 10:30
off: 3:00

95°C

10/13/94 DES Retec-E1012-03 CLP Prep Log

ICP 5% HCL 5% HNO_3 digestion

soil prep (filtered)	Beaker #	
3A-10-11-94	13A	1.509g ↗ 200ml
3B-10-11-94	14A	1.518g
5A-10-11-94	15A	1.501g
5B-10-11-94	16A	1.502g
2F-10-11-94	17A	1.529g
prep Blank	18A	1.526g crushed glass
LCS	19A	1.526g crushed glass ↗ 100ml digested ICV

ICP LCS (digested ICV):
10ml Leeman CLPstd-4 ↗ 100ml
final conc = 5ppm Pb

On: 2:30 95°C Off: 3:00 95°C

run Start: 5:00pm run finish: 6:40pm

10/24/94 DES Hg - Retec CLP soils

Bottle #	Sample	wt.	vol.	%T	ppb
206	Blank		↑ 100ml	99%	
239	0.5ppb Std			94%	
10	1 ppb Std			90.5%	
240	5ppb Std			63.5%	
17	10ppb Std			42%	
21	ICV			64.5%	4.93ppb 99%
219	ICB			99%	-0.07ppb
180	CRA			97.5% DES ~~[illegible]~~	0.11ppb
15	prep Blank	0.228g crushed glass		99%	-0.07ppb
67	LCS	0.235g crushed glass		66%	4.66ppb 93%
E1005-02:					
23	~~A4-4C~~ MS-4C	0.222g		98%	0.05ppb
184	~~A2-2A~~ MS-2A	0.209g		98%	0.05ppb

10/24/94 DES Hg- continued Retec CLP soils

Bottle#	Sample	wt.	vol.	% I	ppb
E1005-02:					
230	~~A2-2D~~ MS-2D	0.221g	100ml	98.5%	-0.01ppb
35	~~A2-2D MS~~ MS-2DMS	0.219g	76.8%	81%	2.27ppb 91%
176	~~A2-2D MSD~~ MS-2DMSD	0.222g		98.5%	-0.01ppb
225	~~A1-1D~~ MS-1D	0.229g		98.5%	-0.01ppb
69	CCV			79.5%	2.49ppb 100%
208	CCB			98.5%	-0.01ppb
200	~~A1-1C~~ MS-1C	0.209g		98.5%	-0.01ppb
E1006-05:					
223	Group C-DP#5 ZZZZZ	0.220g		98%	0.05ppb
55	Group C-DP#5 MS ZZZZZ	0.224g		80%	2.42ppb 97%
229	Group C-DP#5 MSD ZZZZZ	0.224g		98%	0.05ppb
197	Group H- outside Gate ZZZZZ	0.215g		72%	3.65ppb

10/24/94 DES Hg- continued- Retec CLP soil

Bottle #	sample	wt.	vol.	%T	ppb
	E1006-05:				
48	Group X - outside gate ZZZZZ	0.212g	100ml	78.5%	2.64ppb
34	CCV			80%	2.42ppb 97%
227	CCB			98.5%	-0.01ppb

on: 1:30 95°C off: 3:30 95°C

run start: 5:00pm run finish: 6:15pm

10/19/94 DES
all → 100ml

Hg - Retec CLP - field Blank

	% I	ppb	
Blank	99%		
0.5 ppb Std	95.5%		
1 ppb Std	92.5%		
5 ppb Std	66.5%		
10 ppb Std	46.5%		
ICV	66.5%	5.22ppb	104%
ICB	98.5%	0.08ppb	
CRA	97.5% ~~97%~~ DES	0.21 ppb	
Prep Blank	98.5%	0.08ppb	
E1005-02 Field BK	99%	0.01 ppb	
E1006-05 Field BK	99%	0.01ppb	
CCV	82%	2.47ppb	99% R
CCB	99%	0.01ppb	

CLP - Prep Log

10/14/94
DHP

			Vol	Vol out
1	Std 100ug/l	4.857	500	100
2	Blank.	4.560		
3	E1005-02 Field BK	500mls.		
4	E1005-02 Area 4 Sup4 4C	4.741		
5	E1005-02 Area 2 Sample 2A	4.980		
6	E1005-02 Area 2 Sample 8D	4.969		
7	E1005-02 Area 1 Sample 1D	4.624		
8	E1005-02 Area 1 Sample 1C	4.991		
9	STD	4.968		
10	BK	5.070		
11	E1005-02 2D MS	4.953		
12	E1005-02 Area2D MSD	4.785		
13	KCN Digested Std 50ppb	4.630		
14	E1006-05 Group C	4.917		
15	E1006-05 Group H	4.954		
16	E1006-05 Group X	5.029		
17	STD	5.060		
18	BK	5.080		
19	E1006-05 Field Blank			
20	E1006-05 Group C MS	4.843		
21	E1006-05 Group C MSD	5.071		

Seq			mls	mls out	%T	Time 10/14/94 DAH
	0	Blank	—	—	0	16:10
	1	S 5.0	—	—	98	16 10
	2	S 10	—	—	96	16 10
	3	S 25	—	—	92	16:10
	4	S 50	—	—	85	16 11
	5	S 100	—	—	72	1611
	6	S 200	—	—	52	1611
	7	S 300	—	—	37	1611
1	8	ICV Dig 100	500	100	73	1620
	9	ICB			100	1620
2	10	Digest BK			99	1620
3	11	Field Blank. E1005-02			99	1620
4	12	E1005-02 Area 4 4C			100	1621
5	13	E1005-02 Area 2 2A			98	1621
6	14	E1005-02 Area 2 2D			99	1621
7	15	E1005-02 Area 1 1D			98	1621
8	16	E1005-02 Area 1 1C			99	1622
	17	CCV 50ppb			86.5	16 ~~32~~
	18	CCB			100	16:~~32~~
9	19	Digest Std ~~RCW~~ 100			74	16 ~~32~~
10	20	Digest BK			100	16 ~~32~~
11	21	E1005-02 Area 2 2D MS			<2	16 ~~32~~
12	22	E1005-02 Area 2 2D MSP			99	16 ~~33~~
13	23	Digest RCW Std			85.5	16 ~~33~~
14	24	E1006-05 Group C			96	16 ~~33~~
15	25	E1006-05 Group H			91	16 ~~33~~

						Time 10/14/94 DH
16	26	Group X	500	700	93	16:43
	27	CCV			86	17:00
	28	CCB			100	1700
	29	Digest BK			100	1700
	30	Digest Std			73	1700
	31	E1006-05 Field BK			99	1701
	32	E1006-05 Group C MS			2	1701
2	33	E1006-05 Group C MSD			95	1701
	34	E1006-02 10X Incu 2 2 MS			63	1701
	35	E1006-05 10X Group C MS			61	1702
	36	CCV			86	1702
	37	CCB			100	1702

19-1 BATCH 1 % SOLIDS

E1005-02 10/5

		CLP					% Solids		ED
1	1A	0.976	12.376	9.857	11.400	8.851	78	77.9	1
2	1B	0.979	10.244	5.873	9.265	4.894 ~~5.284~~	53	52.8	2
3	1C	0.978	13.125	9.893	12.147	8.915	73	73.4	3
4	1D	0.979	10.069	7.292	9.09	6.313	69	69.4	4
5	2A	0.978	11.710	8.759	10.732	7.481	73	77.5	5
6	2B	0.978	11.558	8.969	10.58	7.991	76	75.1	6
7	2C	0.976	11.726	9.866	10.75	8.89	83	82.7	7
8	2D	0.969	11.143	8.784	10.174	7.815	77	76.8	8
9	2E	0.976	11.262	9.126	10.286	8.15	79	79.2	9
10	4A	0.982	11.156	9.457	10.174	8.475	83.3	83.3	10
11	4B	0.947	11.536	9.247	10.539	8.25	78	78.3	11
12	4C	0.983	11.403	9.470	10.420	8.487	81	81.4	12
13	MSD								E09 13
14	MSDD								14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									E0919
									26
									27
									28

NETL-19-1
BATCH 2

% Solids

E1012-3 Retec-CLP-19		TA 10/14/94				
2F	.993	7.822 ~~10.333~~	6.595	6.829	5.602	82.0
3A	.996	7.768 ~~10.889~~	6.270	6.772	5.274	79.9
3B	.994	7.570 ~~10.918~~	6.085 90	6.576	5.096 ~~5.502~~	~~85~~ 77.5
5A	.992	7.931 ~~11.737~~	6.302	6.939	5.310	~~77~~ 76.5
5B	.982	6.522 ~~10.259~~	5.409	5.540	4.427	~~80~~ 79.9

SDC-19

SAMPLE DATA SUMMARY/DATA PACKAGE
ORGANICS ANALYSIS: WELLS G&H RD/RA
SDG: NETL19-1
WORK ORDER: NETL NETL19-1
PROJECT #: 3-0681-620

Prepared for:

Remediation Technologies, Inc.
9 Pond Lane
Concord, MA 01742

Report Date: November 17, 1994

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1254 Douglas Avenue, North Providence, Rhode Island 02904-5392 • 401-353-3420

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SDG NARRATIVE

The following samples were received from Remediation Technologies, Inc.:

SAMPLE ID	MATRIX	DATE RECIEVED	pH	ANALYSIS
TB	WATER	10/5/94		TCL VOCs
FB	WATER	10/5/94		TCL/TAL
1A	SOIL	10/5/94	5.7	Criteria compounds
1B	SOIL	10/5/94	5.5	Criteria compounds
1C	SOIL	10/5/94	5.7	TCL/TAL
1D	SOIL	10/5/94	5.4	TCL/TAL
2a	SOIL	10/5/94	5.6	TCL/TAL
2B	SOIL	10/5/94	6.5	Criteria compounds
2C	SOIL	10/5/94	5.2	Criteria compounds
2D	SOIL	10/5/94	6.3	TCL/TAL
2DMS	SOIL	10/5/94	6.3	TCL/TAL
2DMSD	SOIL	10/5/94	6.3	TCL/TAL
2E	SOIL	10/5/94	5.7	Criteria compounds
2F	SOIL	10/12/94	5.5	Criteria compounds
3A	SOIL	10/12/94	5.1	Criteria compounds
3B	SOIL	10/12/94	5.3	Criteria compounds
4A	SOIL	10/5/94	6.6	Criteria compounds
4B	SOIL	10/5/94	5.4	Criteria compounds
4C	SOIL	10/5/94	6.9	TCL/TAL
5A	SOIL	10/12/94	5.5	Criteria compounds
5B	SOIL	10/12/94	5.2	Criteria compounds

These twenty one samples constitute Sample Delivery Group NETL19-1

Custody records for this group follow this narrative.

The analyses indicated in the table above were performed on the samples. The designations given in the table are defined below.

- TCL indicates : EPA CLP TARGET COMPOUND LIST
  Volatile organics
  Semivolatile organics
  Pesticides and PCB's

- TAL indicates EPA CLP TARGET ANALYTE LIST (reported under separate cover)

- Criteria compounds indicates:

Parameter		Required Reporting Limit, mg/kg
Total lead, mg/kg		**320**
PESTICIDES, mg/kg		
Chlordane		**3.07**
4,4-DDT		**11.0**
cPAHs, mg/kg		
Benzo(a)anthracene		**0.049**
Benzo(b)fluoranthene		**0.049**
Benzo(k)fluoranthene		**0.049**
Benzo(a)pyrene		**0.049**
Chrysene		**0.049**
Dibenz(a,h)anthracene		**0.049**
Indeno(1,2,3-c,d)perlyene		**0.049**
PCB Aroclors, mg/kg		
1016		**0.074**
1221		**0.074**
1232		**0.074**
1242		**0.074**
1248		**0.074**
1254		**0.074**
1260		**0.074**

Note Total Lead is reported under separate cover.

Under this project, chlordane is defined as the sum of alpha chlordane and gamma chlordane.

The reporting format used in this document is as specified in:

"USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Document # OLM01.2", USEPA, 1/91.

Volatile Organic Compounds:

The volatile organics were analyzed by purge/trap-GC/MS. The analytical method used is EPA Method 8260 as documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, USEPA/OSW

The method was modified to satisfy the IS/SURR requirements and general data generation requirements specified in:

"USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Document # OLM01.2", USEPA, 1/91.

The method was modified to satisfy the client's lower-than-standard minimum reporting limit requirements. This modification consisted if lowering the calibration range from the standard of 10-200 ug/l to a revised range of 1.0 to 25 ug/l.

General comments/clarifications:

On 3 November 1994, prior to performing a routine data back-up, several files on GC/MS Data System #1 were determined to be corrupted (unreadable binary data formats and crosslinked and/or lost clusters). Due to the presence of these corrupted data files, initial attempts to back-up to tape failed (memory errors). A DOS diskfix utility was used in an attempt to recover the data. The diskfix program failed to correct the problem and lead to ultimate loss of the data files. Certain files related to ongoing Wells G&H RD/RA analysis projects were lost. Only volatile organics analyses data files were corrupted. For the most part, critical output records are available in hard copy form. Data gaps are detailed below:

BATCH 1: WATER & MEDIUM LEVEL SOILS
APPLICABLE SAMPLES: FB,TB, 2A, 1D

- NO BFB OUTPUT -- affidavit is substituted
- CALCHECK: NO CHROMATOGRAM
- METHOD BLANK: NO CHROMATOGRAM, NO SPECTRA
- SAMPLES: NO CHROMATOGRAM, NO SPECTRA

BATCH 2: LOW LEVEL SOILS
APPLICABLE SAMPLES:4C, 2D, 1C, 2DMS, 2DMSD

- METHOD BLANK: NO CHROMATOGRAM, NO SPECTRA
- SAMPLES: NO CHROMATOGRAM, NO SPECTRA

GC/MS data system report output (area/retention time tables) is available for all runs, enabling validation of the data package. Spectra for target compounds identified in the samples were subjected to comparison with reference spectra during -- or immediatly following -- sample analysis. In addition, chromatographic profiles were inspected for baseline anomolies/carry-over at the time of analysis. No library search was performed.

Semivolatile Organic Compounds:

Extracts for the analysis of semivolatile organic compounds were prepared by sonication extraction followed by GPC clean-up. The determinative method used was GC/MS. Procedures for conducting the preparation and analysis are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, USEPA/OSW, Method 3550, 3640, and 8270.

as well as

USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Doc# OLM01.2, USEPA, 1/91

Reporting limits for the cPAHs were extended below the CLP CRDL to an MDL of 30 ug/kg. This MDL is based on a 50 gram sample extracted and concentrated to 1.0 ml. MDL determination data is presented below.

COMPOUND	Conc.	#1	#2	#3	#4	#5	#6	#7	STD. DEV.	AVE.	MDL
Benzo(a)anthracene	2.00	2.22	2.22	2.05	2.16	2.30	2.24	2.09	0.088	2.18	0.26
Chrysene	2.00	2.55	2.22	2.09	2.18	2.52	2.20	2.14	0.185	2.27	0.56
Benzo(b)fluoranthene	2.00	2.70	2.48	2.31	2.48	2.51	2.43	2.28	0.139	2.46	0.42
Benzo(a)pyrene	2.00	2.25	2.11	2.16	2.08	2.19	2.09	1.85	0.127	2.10	0.38
Dibenzo(a,h)anthracene	2.00	3.08	2.08	2.35	2.71	2.49	2.38	2.14	0.345	2.46	1.03
Indeno(1,2,3-cd)pyrene	2.00	2.71	2.54	2.15	2.88	2.27	2.38	2.12	0.287	2.44	0.86
Benzo(k)fluoranthene	2.00	2.53	1.87	2.35	1.76	2.47	2.58	2.36	0.326	2.27	0.98

General comments/clarifications:

None

PESTICIDES AND PCBs:

Extracts for the analysis of pesticides and PCBs were prepared by sonication extraction followed by GPC clean-up and florisil clean-up. The determinative method used was GC/ECD. Procedures for conducting the preparation and analysis are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, USEPA/OSW, Method 3550, 3640, 3620 and 8080.

as well as

USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Doc# OLM01.2, USEPA, 1/91

General comments/clarifications:

None

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness.

Mark H. Bishop
Laboratory Director
New England Testing Laboratory, Inc

CUSTODY RECORDS

mixed soils

No. 177

CHAIN OF CUSTODY RECORD

NETL-19 E100S-02

PROJ. NO.	PROJECT NAME
30947-712	Wilcwood Property Woburn

SAMPLERS: K. Silva

RECEIVING LABORATORY: NETL

SAMPLE NO.	DATE	TIME	SAMPLE LOCATION	NO. OF CONTAINERS	TCL VOCs	TCL/TAL List	Chlordane	4,4-DDT	CPAHs	PCBs	LEAD	REMARKS
TB-1	10/4/94	—	Trip Blank 1	2	X							amgt amgt. pt.pl. pt.pl.
FB1	10/4/94	—	Field Blank 1	6		X						Pest/PCB, semi, met, T.CN, 2 VOC
4S-4A	10-4-94	10/4/94	Area 4, Sample 4A	1			X	X	X	X	X	
4S-4B	10-4-94	10/4/94	Area 4, Sample 4B	1			X	X	X	X	X	
4S-4C	10-4-94	10/4/94	Area 4, Sample 4C	1		X						
4S-2A	10-4-94	10/4/94	Area 2, Sample 2A	1		X						+
4S-2B	10-4-94	10/4/94	Area 2, Sample 2B	1			X	X	X	X	X	+
4S-2C	10-4-94	10/4/94	Area 2, Sample 2C	1			X	X	X	X	X	
4S-2D	10-4-94	10/4/94	Area 2, Sample 2D	1		X						
4S-2E	10-4-94	10/4/94	Area 2, Sample 2E	1			X	X	X	X	X	
4S-1A	10-4-94	10/4/94	Area 1 Sample 1A	1			X	X	X	X	X	
4S-1B	10-4-94	10/4/94	Area 1 Sample 1B	1			X	X	X	X	X	
4S-1D	10-4-94	10/4/94	Area 1, Sample 1D	1		X						Dup of 1C
4S-1C	10-4-94	10/4/94	Area 1, Sample 1C	1		X						

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
K Silva	10/4/94 16:00	UPS FEDEX 1591485221			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for laboratory by: (Signature)	Date/Time		

REMARKS: Rapid Turnaround on Soil Samples

REMEDIATION TECHNOLOGIES INC

REMEDIATION TECHNOLOGIES
9 Pond Lane
Damonmill Square
Concord, MA 01742
(508) 371-1422
Fax# (508) 369-9279

8000

PINK COPY - Sampler YELLOW COPY - Laboratory WHITE COPY - RETEC

E1012-03

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904

CHAIN OF CUSTODY RECORD

PROJ. NO: 5-0217-12
PROJECT NAME: Wildwood
CLIENT: Reke

SAMPLE I.D.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TESTS: Mixed Lithium						REMARKS
3A-10-11-94	Oct 11	0845	X			1	X						
3B-10-11-94		0900	X			1	X						
~~3C-10-11-94~~		~~0830~~	~~X~~			~~1~~	~~X~~						
5A-10-11-94		0800	X			1	X						
6B-10-11-94		0815	X			1	X						
2F-10-11-94		0830	X			1	X						

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	10-11-94 1600	VIA Fed Ex			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks	
		Lynn Smith	10/12/94		

0009

SAMPLE DATA SUMMARY

ANALYSIS DATA SHEETS
VOLATILES

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) WATER Lab Sample ID: FIELD BLANK

Sample wt/vol: 25 (g/mL) mL Lab File ID: T1523

Level: (low/med) Low Date Received: 10/05/94

% Moisture: not dec. Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-09-2	Methylene Chloride	7.7	J
67-64-1	Acetone	1.1	J
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
67-66-3	Chloroform	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.7	
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
1330-20-7	Xylene (total)	1.0	U

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-1CDL

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 1-1CDL

Sample wt/vol: 2.600 (g/mL) g Lab File ID: T15D9

Level: (low/med) Low Date Received: 10/05/94

% Moisture: not dec. 27 Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 2X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	2.6	UD
74-83-9	Bromomethane	2.6	UD
75-01-4	Vinyl Chloride	2.6	UD
75-00-3	Chloroethane	2.6	UD
75-09-2	Methylene Chloride	55 UJ	~~DB~~
67-64-1	Acetone	12 UJ	~~DB~~
75-15-0	Carbon Disulfide	2.6	UD
75-35-4	1,1-Dichloroethene	2.6	UD
75-34-3	1,1-Dichloroethane	2.6	UD
540-59-0	1,2-Dichloroethene (total)	217	JD
67-66-3	Chloroform	2.6	UD
107-06-2	1,2-Dichloroethane	2.6	UD
78-93-3	2-Butanone	11	D
71-55-6	1,1,1-Trichloroethane	2.6	UD
56-23-5	Carbon Tetrachloride	2.6	UD
75-27-4	Bromodichloromethane	2.6	UD
78-87-5	1,2-Dichloropropane	2.6	UD
10061-01-5	cis-1,3-Dichloropropene	2.6	UD
79-01-6	Trichloroethene	93	JD
124-48-1	Dibromochloromethane	2.6	UD
79-00-5	1,1,2-Trichloroethane	2.6	UD
71-43-2	Benzene	23	UD
10061-02-6	trans-1,3-Dichloropropene	2.6	UD
75-25-2	Bromoform	2.6	UD
108-10-1	4-Methyl-2-Pentanone	2.6	UD
591-78-6	2-Hexanone	2.6	UD
127-18-4	Tetrachloroethene	73	JD
79-34-5	1,1,2,2-Tetrachloroethane	2.6	UD
108-88-3	Toluene	2.6	UD
108-90-7	Chlorobenzene	2.6	UD
100-41-4	Ethylbenzene	54	JD
100-42-5	Styrene	2.6	UD
1330-20-7	Xylene (total)	711	DE

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-1DDL

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) WATER Lab Sample ID: 1-1DDL

Sample wt/vol: 5.547 (g/mL) g Lab File ID: T1526

Level: (low/med) Med Date Received: 10/05/94

% Moisture: not dec. 31 Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1000X

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 25 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1310	UD
74-83-9	Bromomethane	1310	UD
75-01-4	Vinyl Chloride	1310	UD
75-00-3	Chloroethane	1310	UD
75-09-2	Methylene Chloride	3684	UJD
67-64-1	Acetone	1711	UJD
75-15-0	Carbon Disulfide	1310	UD
75-35-4	1,1-Dichloroethene	1310	UD
75-34-3	1,1-Dichloroethane	1310	UD
540-59-0	1,2-Dichloroethene (total)	18772	JD
67-66-3	Chloroform	1310	UD
107-06-2	1,2-Dichloroethane	1310	UD
78-93-3	2-Butanone	1310	UD
71-55-6	1,1,1-Trichloroethane	1310	UD
56-23-5	Carbon Tetrachloride	1310	UD
75-27-4	Bromodichloromethane	1310	UD
78-87-5	1,2-Dichloropropane	1310	UD
10061-01-5	cis-1,3-Dichloropropene	1310	UD
79-01-6	Trichloroethene	4910	JD
124-48-1	Dibromochloromethane	1310	UD
79-00-5	1,1,2-Trichloroethane	1310	UD
71-43-2	Benzene	1310	UD
10061-02-6	trans-1,3-Dichloropropene	1310	UD
75-25-2	Bromoform	1310	UD
108-10-1	4-Methyl-2-Pentanone	1310	UD
591-78-6	2-Hexanone	1310	UD
127-18-4	Tetrachloroethene	2430	JD
79-34-5	1,1,2,2-Tetrachloroethane	1084	JD
108-88-3	Toluene	1310	UD
108-90-7	Chlorobenzene	1310	UD
100-41-4	Ethylbenzene	4337	JD
100-42-5	Styrene	1310	UD
1330-20-7	Xylene (total)	12750	JD

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

2-2ADL

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) WATER Lab Sample ID: 2-2ADL

Sample wt/vol: 5.474 (g/mL) g Lab File ID: T1527

Level: (low/med) Med Date Received: 10/05/94

% Moisture: not dec. 27 Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 833X

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 30 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1050	UD
74-83-9	Bromomethane	657	JD
75-01-4	Vinyl Chloride	1050	UD
75-00-3	Chloroethane	1050	UD
75-09-2	Methylene Chloride	3013 UJ	D
67-64-1	Acetone	1824 UJ	D
75-15-0	Carbon Disulfide	1050	UD
75-35-4	1,1-Dichloroethene	1050	UD
75-34-3	1,1-Dichloroethane	1050	UD
540-59-0	1,2-Dichloroethene (total)	3576	D
67-66-3	Chloroform	1050	UD
107-06-2	1,2-Dichloroethane	1050	UD
78-93-3	2-Butanone	1050	UD
71-55-6	1,1,1-Trichloroethane	1050	UD
56-23-5	Carbon Tetrachloride	1050	UD
75-27-4	Bromodichloromethane	1050	UD
78-87-5	1,2-Dichloropropane	1050	UD
10061-01-5	cis-1,3-Dichloropropene	1050	UD
79-01-6	Trichloroethene	21751	D
124-48-1	Dibromochloromethane	1050	UD
79-00-5	1,1,2-Trichloroethane	1050	UD
71-43-2	Benzene	1050	UD
10061-02-6	trans-1,3-Dichloropropene	1050	UD
75-25-2	Bromoform	1050	UD
108-10-1	4-Methyl-2-Pentanone	1050	UD
591-78-6	2-Hexanone	1050	UD
127-18-4	Tetrachloroethene	1050	UD
79-34-5	1,1,2,2-Tetrachloroethane	1050	UD
108-88-3	Toluene	1050	UD
108-90-7	Chlorobenzene	1050	UD
100-41-4	Ethylbenzene	1050	UD
100-42-5	Styrene	1050	UD
1330-20-7	Xylene (total)	1449	D

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

2-2D

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 2-2D

Sample wt/vol: 5.315 (g/mL) g Lab File ID: T1503

Level: (low/med) Low Date Received: 10/05/94

% Moisture: not dec. 23 Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND			Q
74-87-3	Chloromethane		1.2	U
74-83-9	Bromomethane		1.2	U
75-01-4	Vinyl Chloride		1.2	U
75-00-3	Chloroethane		1.2	U
75-09-2	Methylene Chloride		9.6	UJ ~~B~~
67-64-1	Acetone		6.1	UJ ~~B~~
75-15-0	Carbon Disulfide		1.2	U
75-35-4	1,1-Dichloroethene		1.2	U
75-34-3	1,1-Dichloroethane		1.2	U
540-59-0	1,2-Dichloroethene (total)		1.2	U
67-66-3	Chloroform		1.2	U
107-06-2	1,2-Dichloroethane		1.2	U
78-93-3	2-Butanone		6.4	
71-55-6	1,1,1-Trichloroethane		1.2	U
56-23-5	Carbon Tetrachloride		1.2	U
75-27-4	Bromodichloromethane		1.2	U
78-87-5	1,2-Dichloropropane		1.2	U
10061-01-5	cis-1,3-Dichloropropene		1.2	U
79-01-6	Trichloroethene		1.2	U
124-48-1	Dibromochloromethane		1.2	U
79-00-5	1,1,2-Trichloroethane		1.2	U
71-43-2	Benzene		1.2	U
10061-02-6	trans-1,3-Dichloropropene		1.2	U
75-25-2	Bromoform		1.2	U
108-10-1	4-Methyl-2-Pentanone		1.2	U
591-78-6	2-Hexanone		1.2	U
127-18-4	Tetrachloroethene		1.2	U
79-34-5	1,1,2,2-Tetrachloroethane		1.2	U
108-88-3	Toluene		1.8	U
108-90-7	Chlorobenzene		1.2	U
100-41-4	Ethylbenzene		1.2	U
100-42-5	Styrene		1.2	U
1330-20-7	Xylene (total)		1.2	U

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

4-4C

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 4-4C

Sample wt/vol: 5.342 (g/mL) g Lab File ID: T1504

Level: (low/med) Low Date Received: 10/05/94

% Moisture: not dec. 19 Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.2	U
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-09-2	Methylene Chloride	23 UJ	~~B~~
67-64-1	Acetone	5.0 UJ	~~B~~
75-15-0	Carbon Disulfide	1.2	U
75-35-4	1,1-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1.2	U
540-59-0	1,2-Dichloroethene (total)	1.2	U
67-66-3	Chloroform	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
78-93-3	2-Butanone	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	1.2	U
124-48-1	Dibromochloromethane	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
71-43-2	Benzene	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
75-25-2	Bromoform	1.2	U
108-10-1	4-Methyl-2-Pentanone	1.2	U
591-78-6	2-Hexanone	1.2	U
127-18-4	Tetrachloroethene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	1.2	U
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
1330-20-7	Xylene (total)	1.2	U

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) WATER Lab Sample ID: TRIP BLANK

Sample wt/vol: 25 (g/mL) mL Lab File ID: T1524

Level: (low/med) Low Date Received: 10/05/94

% Moisture: not dec. Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-09-2	Methylene Chloride	1.1	
67-64-1	Acetone	0.85	J
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
67-66-3	Chloroform	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.1	
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
1330-20-7	Xylene (total)	1.0	U

SEMIVOLATILES

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) water Lab Sample ID: FIELD BLANK

Sample wt/vol: 910 (g/mL) ml Lab File ID: >V0710

Level: (low/med) low Date Received: 10/05/94

% Moisture: decanted:(Y/N) N Date Extracted: 10/06/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
6-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	27	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
-09-2	3-Nitroaniline	27	U
83-32-9	Acenaphthene	11	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) water Lab Sample ID: FIELD BLANK

Sample wt/vol: 910 (g/mL) ml Lab File ID: >V0710

Level: (low/med) low Date Received: 10/05/94

% Moisture: decanted:(Y/N) N Date Extracted: 10/06/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	ug/L	Q
51-28-5	2,4-Dinitrophenol	27	UJ
100-02-7	4-Nitrophenol	27	UJ
132-64-9	Dibenzofuran	11	U
1-14-2	2,4-Dinitrotoluene	11	U
-66-2	Diethylphthalate	11	U
7005-72-3	4-chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	27	UJ
534-52-1	4,6-Dinitro-2-methylphenol	27	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	UJ
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	UJ
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	UJ
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FIELD BLANK

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) water Lab Sample ID: FIELD BLANK

Sample wt/vol: 910 (g/mL) ml Lab File ID: >V0710

Level: (low/med) low Date Received: 10/05/94

% Moisture: decanted:(Y/N) N Date Extracted: 10/06/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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27.					
28.					
29.					
30.					

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-1A

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 1A

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0607

Level: (low/med) low Date Received: 10/05/94

% Moisture: 22 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	38	U
218-01-9	Chrysene	38	U
205-99-2	Benzo(b)fluoranthene	38	U
207-08-9	Benzo(k)fluoranthene	38	U
50-32-8	Benzo(a)pyrene	38	U
193-39-5	Indeno(1,2,3-cd)pyrene	38	U J
53-70-3	Dibenz(a,h)anthracene	38	U J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-1B

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 1B

Sample wt/vol: 50.2 (g/mL) g Lab File ID: >V0608

Level: (low/med) low Date Received: 10/05/94

% Moisture: 47 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
56-55-3	Benzo(a)anthracene	56	U
218-01-9	Chrysene	56	U
205-99-2	Benzo(b)fluoranthene	56	U
7-08-9	Benzo(k)fluoranthene	56	U
50-32-8	Benzo(a)pyrene	56	U
193-39-5	Indeno(1,2,3-cd)pyrene	56	U J
53-70-3	Dibenz(a,h)anthracene	56	U J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-1C

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 1C

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0610

Level: (low/med) low Date Received: 10/05/94

% Moisture: 27 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.7

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
108-95-2	Phenol	272	U
111-44-4	bis(2-Chloroethyl)ether	272	U
95-57-8	2-Chlorophenol	272	U
541-73-1	1,3-Dichlorobenzene	272	U
106-46-7	1,4-Dichlorobenzene	272	U
95-50-1	1,2-Dichlorobenzene	526	
95-48-7	2-Methylphenol	272	U
108-60-1	2,2'-oxybis(1-Chloropropane)	272	U
106-44-5	4-Methylphenol	272	U
621-64-7	N-Nitroso-di-n-propylamine	272	U
67-72-1	Hexachloroethane	272	U
98-95-3	Nitrobenzene	272	U
78-59-1	Isophorone	272	U
88-75-5	2-Nitrophenol	272	U
105-67-9	2,4-Dimethylphenol	272	U
111-91-1	bis(2-Chloroethoxy)methane	272	U
120-83-2	2,4-Dichlorophenol	272	U
120-82-1	1,2,4-Trichlorobenzene	272	U
91-20-3	Naphthalene	272	U
106-47-8	4-Chloroaniline	272	UJ
87-68-3	Hexachlorobutadiene	272	UJ
59-50-7	4-Chloro-3-methylphenol	272	U
91-57-6	2-Methylnaphthalene	272	U
77-47-4	Hexachlorocyclopentadiene	272	U
88-06-2	2,4,6-Trichlorophenol	272	U
95-95-4	2,4,5-Trichlorophenol	681	U
91-58-7	2-Chloronaphthalene	272	U
88-74-4	2-Nitroaniline	681	U
131-11-3	Dimethylphthalate	272	U
208-96-8	Acenaphthylene	272	U
606-20-2	2,6-Dinitrotoluene	272	U
99-09-2	3-Nitroaniline	681	UJ
83-32-9	Acenaphthene	272	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-1C

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 1C

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0610

Level: (low/med) low Date Received: 10/05/94

% Moisture: 27 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	681	U J
100-02-7	4-Nitrophenol	681	U
132-64-9	Dibenzofuran	272	U
1-14-2	2,4-Dinitrotoluene	272	U
-66-2	Diethylphthalate	272	U
7005-72-3	4-chlorophenyl-phenylether	272	U
86-73-7	Fluorene	272	U
100-01-6	4-Nitroaniline	681	U J
534-52-1	4,6-Dinitro-2-methylphenol	681	U J
86-30-6	N-Nitrosodiphenylamine (1)	272	U
101-55-3	4-Bromophenyl-phenylether	272	U
118-74-1	Hexachlorobenzene	272	U
87-86-5	Pentachlorophenol	681	U J
85-01-8	Phenanthrene	63	J
120-12-7	Anthracene	272	U
86-74-8	Carbazole	272	U J
84-74-2	Di-n-butylphthalate	291	B U
206-44-0	Fluoranthene	43	J
129-00-0	Pyrene	272	U
85-68-7	Butylbenzylphthalate	272	U
91-94-1	3,3'-Dichlorobenzidine	272	U
56-55-3	Benzo(a)anthracene	41	U
218-01-9	Chrysene	41	U
117-81-7	bis(2-Ethylhexyl)phthalate	45	J
117-84-0	Di-n-octylphthalate	272	U J
205-99-2	Benzo(b)fluoranthene	41	U
207-08-9	Benzo(k)fluoranthene	41	U
50-32-8	Benzo(a)pyrene	41	U
193-39-5	Indeno(1,2,3-cd)pyrene	41	U J
53-70-3	Dibenz(a,h)anthracene	41	U J
191-24-2	Benzo(g,h,i)perylene	272	U J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MS-1C

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 1C

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0610

Level: (low/med) low Date Received: 10/05/94

% Moisture: 27 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.7

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALKYL SUBSTITUTED HYDROCARBON	5.74	3666	J R
2.		UNKNOWN HYDROCARBON	7.05	1743	J
3.		AROMATIC HYDROCARBON	8.58	1715	J
4.		ALKYL SUBSTITUTED HYDROCARBON	9.62	539	J
5.	556-67-2	OCTAMETHYL-CYCLOTETRASILOXANE	10.29	506	J
6.		ALKYL SUBSTITUTED HYDROCARBON	11.04	2472	J
7.		ALKYL SUBSTITUTED HYDROCARBON	11.52	942	J
8.		ALKYL SUBSTITUTED HYDROCARBON	11.97	515	J
9.		ALKYL SUBSTITUTED AROMATIC	12.33	541	J
10.		ALKYL SUBSTITUTED AROMATIC	12.43	694	J
11.	541-2-6	DECAMETHYL-CYCLOPENTASILOXANE	13.48	1058	J
12.		ALKYL SUBSTITUTED HYDROCARBON	19.63	528	J
13.		ALKYL SUBSTITUTED HYDROCARBON	20.99	1167	J R
14.		ALKYL SUBSTITUTED HYDROCARBON	21.58	877	J
15.		UNKNOWN HYDROCARBON	22.27	2169	J
16.		UNKNOWN HYDROCARBON	23.47	2108	J
17.		UNKNOWN HYDROCARBON	23.55	1110	J
18.		UNKNOWN HYDROCARBON	24.61	1311	J
19.		ALKYL SUBSTITUTED ALCOHOL	31.68	925	J R
20.		UNKNOWN HYDROCARBON	40.30	2137	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-1D

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 1D

Sample wt/vol: 50.7 (g/mL) g Lab File ID: >V0611

Level: (low/med) low Date Received: 10/05/94

% Moisture: 31 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	286	U
111-44-4	bis(2-Chloroethyl)ether	286	U
95-57-8	2-Chlorophenol	286	U
541-73-1	1,3-Dichlorobenzene	286	U
6-46-7	1,4-Dichlorobenzene	286	U
5-50-1	1,2-Dichlorobenzene	627	
95-48-7	2-Methylphenol	286	U
108-60-1	2,2'-oxybis(1-Chloropropane)	286	U
106-44-5	4-Methylphenol	286	U
621-64-7	N-Nitroso-di-n-propylamine	286	U
67-72-1	Hexachloroethane	286	U
98-95-3	Nitrobenzene	286	U
78-59-1	Isophorone	286	U
88-75-5	2-Nitrophenol	286	U
105-67-9	2,4-Dimethylphenol	286	U
111-91-1	bis(2-Chloroethoxy)methane	286	U
120-83-2	2,4-Dichlorophenol	286	U
120-82-1	1,2,4-Trichlorobenzene	286	U
91-20-3	Naphthalene	286	U
106-47-8	4-Chloroaniline	286	U J
87-68-3	Hexachlorobutadiene	286	U J
59-50-7	4-Chloro-3-methylphenol	286	U
91-57-6	2-Methylnaphthalene	286	U
77-47-4	Hexachlorocyclopentadiene	286	U
88-06-2	2,4,6-Trichlorophenol	286	U
95-95-4	2,4,5-Trichlorophenol	715	U
91-58-7	2-Chloronaphthalene	286	U
88-74-4	2-Nitroaniline	715	U
131-11-3	Dimethylphthalate	286	U
208-96-8	Acenaphthylene	286	U
606-20-2	2,6-Dinitrotoluene	286	U
-09-2	3-Nitroaniline	715	U J
-32-9	Acenaphthene	286	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-1D

Lab Name: New England Testing Lab | Contract: G+H RD/RA

Lab Code: RI010 | Case No.: | SAS No.: | SDG No.: NETL19-1

Matrix: (soil/water) SOIL | Lab Sample ID: 1D

Sample wt/vol: 50.7 (g/mL) g | Lab File ID: >V0611

Level: (low/med) low | Date Received: 10/05/94

% Moisture: 31 | decanted:(Y/N) N | Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) | Date Analyzed: 10/06/94

Injection Volume: 2 (uL) | Dilution Factor: 1X

GPC Cleanup: (Y/N) N | pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	715	U J
100-02-7	4-Nitrophenol	715	U
132-64-9	Dibenzofuran	286	U
121-14-2	2,4-Dinitrotoluene	286	U
66-2	Diethylphthalate	286	U
05-72-3	4-chlorophenyl-phenylether	286	U
86-73-7	Fluorene	286	U
100-01-6	4-Nitroaniline	715	U J
534-52-1	4,6-Dinitro-2-methylphenol	715	U J
86-30-6	N-Nitrosodiphenylamine (1)	286	U
101-55-3	4-Bromophenyl-phenylether	286	U
118-74-1	Hexachlorobenzene	286	U
87-86-5	Pentachlorophenol	715	U J
85-01-8	Phenanthrene	286	U
120-12-7	Anthracene	286	U
86-74-8	Carbazole	286	U J
84-74-2	Di-n-butylphthalate	286 ~~272~~	~~BJ~~ U
206-44-0	Fluoranthene	286	U
129-00-0	Pyrene	286	U
85-68-7	Butylbenzylphthalate	286	U
91-94-1	3,3'-Dichlorobenzidine	286	U
56-55-3	Benzo(a)anthracene	43	U
218-01-9	Chrysene	43	U
117-81-7	bis(2-Ethylhexyl)phthalate	286	U
117-84-0	Di-n-octylphthalate	286	U J
205-99-2	Benzo(b)fluoranthene	43	U
207-08-9	Benzo(k)fluoranthene	43	U
50-32-8	Benzo(a)pyrene	43	U
193-39-5	Indeno(1,2,3-cd)pyrene	43	U J
53-70-3	Dibenz(a,h)anthracene	43	U J
191-24-2	Benzo(g,h,i)perylene	286	U J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MS-1D

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 1D

Sample wt/vol: 50.7 (g/mL) g Lab File ID: >V0611

Level: (low/med) low Date Received: 10/05/94

% Moisture: 31 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.4

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALKYL SUBSTITUTED HYDROCARBON	5.77	3720	J R
2.		UNKNOWN HYDROCARBON	7.06	1802	J
3.		AROMATIC HYDROCARBON	8.59	1944	J
4.		UNKNOWN HYDROCARBON	9.63	571	J
5.	556-67-2	OCTAMETHYL-CYCLOTETRASILOXANE	10.28	551	J
6.		ALKYL SUBSTITUTED HYDROCARBON	11.05	2441	J
7.		ALKYL SUBSTITUTED HYDROCARBON	11.53	950	J
8.		ALKYL SUBSTITUTED AROMATIC	12.33	570	J
9.		ALKYL SUBSTITUTED AROMATIC	12.44	737	J
10.	541-2-6	DECAMETHYL-CYCLOPENTASILOXANE	13.48	1034	J
11.		ALKYL SUBSTITUTED HYDROCARBON	19.64	676	J
12.		ALKYL SUBSTITUTED HYDROCARBON	20.99	1507	J R
13.		ALKYL SUBSTITUTED HYDROCARBON	21.58	1111	J
14.		ALKYL SUBSTITUTED HYDROCARBON	22.28	1914	J
15.		UNKNOWN HYDROCARBON	23.48	2023	J
16.		UNKNOWN HYDROCARBON	23.55	1175	J
17.		ALKYL SUBSTITUTED ALCOHOL	24.47	604	J
18.		UNKNOWN HYDROCARBON	24.58	534	J
19.		ALKYL SUBSTITUTED ALCOHOL	31.68	1293	J R
20.		UNKNOWN HYDROCARBON	40.32	1869	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-2A

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2A

Sample wt/vol: 50.6 (g/mL) g Lab File ID: >V0703

Level: (low/med) low Date Received: 10/05/94

% Moisture: 27 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	271	U
111-44-4	bis(2-Chloroethyl)ether	271	U
95-57-8	2-Chlorophenol	271	U
541-73-1	1,3-Dichlorobenzene	271	U
6-46-7	1,4-Dichlorobenzene	271	U
95-50-1	1,2-Dichlorobenzene	744	
95-48-7	2-Methylphenol	271	U
108-60-1	2,2'-oxybis(1-Chloropropane)	271	U
106-44-5	4-Methylphenol	271	U
621-64-7	N-Nitroso-di-n-propylamine	271	U
67-72-1	Hexachloroethane	271	U
98-95-3	Nitrobenzene	271	U
78-59-1	Isophorone	271	U
88-75-5	2-Nitrophenol	271	UJ
105-67-9	2,4-Dimethylphenol	271	U
111-91-1	bis(2-Chloroethoxy)methane	271	U
120-83-2	2,4-Dichlorophenol	271	U
120-82-1	1,2,4-Trichlorobenzene	271	U
91-20-3	Naphthalene	271	U
106-47-8	4-Chloroaniline	271	UJ
87-68-3	Hexachlorobutadiene	271	U
59-50-7	4-Chloro-3-methylphenol	271	U
91-57-6	2-Methylnaphthalene	271	U
77-47-4	Hexachlorocyclopentadiene	271	U
88-06-2	2,4,6-Trichlorophenol	271	U
95-95-4	2,4,5-Trichlorophenol	677	U
91-58-7	2-Chloronaphthalene	271	U
88-74-4	2-Nitroaniline	677	U
131-11-3	Dimethylphthalate	271	U
208-96-8	Acenaphthylene	271	U
606-20-2	2,6-Dinitrotoluene	271	U
-09-2	3-Nitroaniline	677	UJ
3-32-9	Acenaphthene	271	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-2A

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2A

Sample wt/vol: 50.6 (g/mL) g Lab File ID: >V0703

Level: (low/med) low Date Received: 10/05/94

% Moisture: 27 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	677	U ~~J~~
100-02-7	4-Nitrophenol	677	U ~~J~~
132-64-9	Dibenzofuran	271	U
121-14-2	2,4-Dinitrotoluene	271	U
84-66-2	Diethylphthalate	271	U
7005-72-3	4-chlorophenyl-phenylether	271	U
86-73-7	Fluorene	271	U
100-01-6	4-Nitroaniline	677	U ~~J~~
534-52-1	4,6-Dinitro-2-methylphenol	677	U
86-30-6	N-Nitrosodiphenylamine (1)	271	U
101-55-3	4-Bromophenyl-phenylether	271	U
118-74-1	Hexachlorobenzene	271	U
87-86-5	Pentachlorophenol	677	U ~~J~~
85-01-8	Phenanthrene	76	J
120-12-7	Anthracene	271	U
86-74-8	Carbazole	271	U
84-74-2	Di-n-butylphthalate	271 ~~71~~	~~BJ~~ U
206-44-0	Fluoranthene	68	J
129-00-0	Pyrene	52	J
85-68-7	Butylbenzylphthalate	271	U
91-94-1	3,3'-Dichlorobenzidine	271	U
56-55-3	Benzo(a)anthracene	41	U
218-01-9	Chrysene	41	U
117-81-7	bis(2-Ethylhexyl)phthalate	271	U
117-84-0	Di-n-octylphthalate	271	U ~~J~~
205-99-2	Benzo(b)fluoranthene	41	U
207-08-9	Benzo(k)fluoranthene	41	U
50-32-8	Benzo(a)pyrene	41	U
193-39-5	Indeno(1,2,3-cd)pyrene	41	U
53-70-3	Dibenz(a,h)anthracene	41	U
191-24-2	Benzo(g,h,i)perylene	271	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MS-2A

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2A

Sample wt/vol: 50.6 (g/mL) g Lab File ID: >V0703

Level: (low/med) low Date Received: 10/05/94

% Moisture: 27 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.6

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALKYL SUBSTITUTED HYDROCARBON	5.69	3173	JR
2.	127-18-4	TETRACHLOROETHENE	6.05	2957	J
3.		UNKNOWN ALKYL ALCOHOL	6.97	1472	J
4.		AROMATIC HYDROCARBON	8.54	347	J
5.		OCTAMETHYL CYCLOTETRASILOXANE	10.27	464	J
6.		ALKYL SUBSTITUTED HYDROCARBON	11.49	261	J
7.		ALKYL SUBSTITUTED AROMATIC	11.74	248	J
8.		UNKNOWN HYDROCARBON	13.45	728	J
9.		UNKNOWN HYDROCARBON	16.34	137	J
10.		UNKNOWN HYDROCARBON	19.60	192	J
11.		UNKNOWN HYDROCARBON	20.94	433	JR
12.		ALKYL SUBSTITUTED HYDROCARBON	21.54	393	J
13.		ALKYL SUBSTITUTED HYDROCARBON	22.22	934	J
14.		ALKYL SUBSTITUTED HYDROCARBON	22.25	1382	J
15.		ALKYL SUBSTITUTED HYDROCARBON	23.41	1469	J
16.		ALKYL SUBSTITUTED HYDROCARBON	23.50	1050	J
17.		ALKYL SUBSTITUTED HYDROCARBON	24.43	491	J
18.	630-02-4	OCTACOSANE	24.56	1290	J
19.	57-10-3	HEXADECANOIC ACID	25.19	1533	JR
20.		UNKNOWN HYDROCARBON	25.64	374	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-2B

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2B

Sample wt/vol: 50.0 (g/mL) g Lab File ID: >V0711

Level: (low/med) low Date Received: 10/05/94

% Moisture: 24 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	39	U
218-01-9	Chrysene	39	U
205-99-2	Benzo(b)fluoranthene	39	U
207-08-9	Benzo(k)fluoranthene	39	U
[illegible]-32-8	Benzo(a)pyrene	39	U
193-39-5	Indeno(1,2,3-cd)pyrene	39	U
53-70-3	Dibenz(a,h)anthracene	39	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-2C

Lab Name: New England Testing Lab

Contract: G+H RD/RA

Lab Code: RI010

Case No.:

SAS No.:

SDG No.: NETL19-1

Matrix: (soil/water) soil

Lab Sample ID: 2C

Sample wt/vol: 50.4 (g/mL) g

Lab File ID: >V0605

Level: (low/med) low

Date Received: 10/05/94

% Moisture: 17

decanted:(Y/N) N

Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/06/94

Injection Volume: 2 (uL)

Dilution Factor: 1X

GPC Cleanup: (Y/N) N

pH: 5.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	36	U
218-01-9	Chrysene	36	U
205-99-2	Benzo(b)fluoranthene	36	U
207-08-9	Benzo(k)fluoranthene	36	U
-32-8	Benzo(a)pyrene	36	U
193-39-5	Indeno(1,2,3-cd)pyrene	36	U
53-70-3	Dibenz(a,h)anthracene	36	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-2D

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2D

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0704

Level: (low/med) low Date Received: 10/05/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	258	U
111-44-4	bis(2-Chloroethyl)ether	258	U
95-57-8	2-Chlorophenol	258	U
541-73-1	1,3-Dichlorobenzene	258	U
6-46-7	1,4-Dichlorobenzene	258	U
95-50-1	1,2-Dichlorobenzene	258	U
95-48-7	2-Methylphenol	258	U
108-60-1	2,2'-oxybis(1-Chloropropane)	258	U
106-44-5	4-Methylphenol	258	U
621-64-7	N-Nitroso-di-n-propylamine	258	U
67-72-1	Hexachloroethane	258	U
98-95-3	Nitrobenzene	258	U
78-59-1	Isophorone	258	U
88-75-5	2-Nitrophenol	258	UJ
105-67-9	2,4-Dimethylphenol	258	U
111-91-1	bis(2-Chloroethoxy)methane	258	U
120-83-2	2,4-Dichlorophenol	258	U
120-82-1	1,2,4-Trichlorobenzene	258	U
91-20-3	Naphthalene	258	U
106-47-8	4-Chloroaniline	258	UJ
87-68-3	Hexachlorobutadiene	258	U
59-50-7	4-Chloro-3-methylphenol	258	U
91-57-6	2-Methylnaphthalene	258	U
77-47-4	Hexachlorocyclopentadiene	258	U
88-06-2	2,4,6-Trichlorophenol	258	U
95-95-4	2,4,5-Trichlorophenol	645	U
91-58-7	2-Chloronaphthalene	258	U
88-74-4	2-Nitroaniline	645	U
131-11-3	Dimethylphthalate	258	U
208-96-8	Acenaphthylene	258	U
606-20-2	2,6-Dinitrotoluene	258	U
-09-2	3-Nitroaniline	645	UJ
3-32-9	Acenaphthene	258	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-2D

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2D

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0704

Level: (low/med) low Date Received: 10/05/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	645	U J
100-02-7	4-Nitrophenol	645	U J
132-64-9	Dibenzofuran	258	U
121-14-2	2,4-Dinitrotoluene	258	U
66-2	Diethylphthalate	258	U
005-72-3	4-chlorophenyl-phenylether	258	U
86-73-7	Fluorene	258	U
100-01-6	4-Nitroaniline	645	U J
534-52-1	4,6-Dinitro-2-methylphenol	645	U
86-30-6	N-Nitrosodiphenylamine (1)	258	U
101-55-3	4-Bromophenyl-phenylether	258	U
118-74-1	Hexachlorobenzene	258	U
87-86-5	Pentachlorophenol	645	U J
85-01-8	Phenanthrene	258	U
120-12-7	Anthracene	258	U
86-74-8	Carbazole	258	U J
84-74-2	Di-n-butylphthalate	414	B U
206-44-0	Fluoranthene	258	U
129-00-0	Pyrene	258	U
85-68-7	Butylbenzylphthalate	258	U
91-94-1	3,3'-Dichlorobenzidine	258	U
56-55-3	Benzo(a)anthracene	39	U
218-01-9	Chrysene	39	U
117-81-7	bis(2-Ethylhexyl)phthalate	41	J
117-84-0	Di-n-octylphthalate	258	U J
205-99-2	Benzo(b)fluoranthene	39	U
207-08-9	Benzo(k)fluoranthene	39	U
50-32-8	Benzo(a)pyrene	39	U
193-39-5	Indeno(1,2,3-cd)pyrene	39	U
53-70-3	Dibenz(a,h)anthracene	39	U
191-24-2	Benzo(g,h,i)perylene	258	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MS-2D

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2D

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0704

Level: (low/med) low Date Received: 10/05/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.3

Number TICs found: 14 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	4.31	411	J R
2.		AROMATIC HYDROCARBON	4.87	53	J
3.		ALKYL SUBSTITUTED HYDROCARBON	5.69	6814	J
4.		ALKYL SUBSTITUTED HYDROCARBON	6.70	84	J R
5.		UNKNOWN HYDROCARBON	7.01	3597	J
6.		UNKNOWN HYDROCARBON	8.88	86	J R
7.		UNKNOWN HYDROCARBON	9.23	63	J R
8.		UNKNOWN HYDROCARBON	9.40	58	J R
9.		UNKNOWN HYDROCARBON	9.68	64	J
10.		UNKNOWN ALKYL ESTER	20.92	88	J R
11.	57-10-3	HEXADECANOIC ACID	25.18	284	J R
12.		ALKYL SUBSTITUTED HYDROCARBON	26.59	56	J
13.		UNKNOWN HYDROCARBON	28.78	41	J
14.	123-79-5	HEXANEDIOIC ACID, DIOCTYL ESTER	30.01	3297	J
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
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27.					
28.					
29.					
30.					

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-2E

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2E

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0609

Level: (low/med) low Date Received: 10/05/94

% Moisture: 21 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	49	
218-01-9	Chrysene	77	
205-99-2	Benzo(b)fluoranthene	95	
207-08-9	Benzo(k)fluoranthene	29	J
50-32-8	Benzo(a)pyrene	33	J
193-39-5	Indeno(1,2,3-cd)pyrene	38	U J
53-70-3	Dibenz(a,h)anthracene	38	U J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-4A

Lab Name: New England Testing Lab

Contract: G+H RD/RA

Lab Code: RI010

Case No.:

SAS No.:

SDG No.: NETL19-1

Matrix: (soil/water) soil

Lab Sample ID: 4A

Sample wt/vol: 50.1 (g/mL) g

Lab File ID: >V0603

Level: (low/med) low

Date Received: 10/05/94

% Moisture: 17

decanted:(Y/N) N

Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/06/94

Injection Volume: 2 (uL)

Dilution Factor: 1X

GPC Cleanup: (Y/N) N

pH: 6.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	36	U
218-01-9	Chrysene	36	U
205-99-2	Benzo(b)fluoranthene	36	U
07-08-9	Benzo(k)fluoranthene	36	U
-32-8	Benzo(a)pyrene	36	U
193-39-5	Indeno(1,2,3-cd)pyrene	36	U J
53-70-3	Dibenz(a,h)anthracene	36	U J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-4B

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 4B

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0604

Level: (low/med) low Date Received: 10/05/94

% Moisture: 22 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	38	U
218-01-9	Chrysene	38	U
205-99-2	Benzo(b)fluoranthene	38	U
207-08-9	Benzo(k)fluoranthene	38	U
50-32-8	Benzo(a)pyrene	38	U
193-39-5	Indeno(1,2,3-cd)pyrene	38	U
53-70-3	Dibenz(a,h)anthracene	38	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-4C

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 4C

Sample wt/vol: 50.4 (g/mL) g Lab File ID: >V0705

Level: (low/med) low Date Received: 10/05/94

% Moisture: 19 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	245	U
111-44-4	bis(2-Chloroethyl)ether	245	U
95-57-8	2-Chlorophenol	245	U
541-73-1	1,3-Dichlorobenzene	245	U
6-46-7	1,4-Dichlorobenzene	245	U
5-50-1	1,2-Dichlorobenzene	245	U
95-48-7	2-Methylphenol	245	U
108-60-1	2,2'-oxybis(1-Chloropropane)	245	U
106-44-5	4-Methylphenol	245	U
621-64-7	N-Nitroso-di-n-propylamine	245	U
67-72-1	Hexachloroethane	245	U
98-95-3	Nitrobenzene	245	U
78-59-1	Isophorone	245	U
88-75-5	2-Nitrophenol	245	UJ
105-67-9	2,4-Dimethylphenol	245	U
111-91-1	bis(2-Chloroethoxy)methane	245	U
120-83-2	2,4-Dichlorophenol	245	U
120-82-1	1,2,4-Trichlorobenzene	245	U
91-20-3	Naphthalene	245	U
106-47-8	4-Chloroaniline	245	UJ
87-68-3	Hexachlorobutadiene	245	U
59-50-7	4-Chloro-3-methylphenol	245	U
91-57-6	2-Methylnaphthalene	245	U
77-47-4	Hexachlorocyclopentadiene	245	U
88-06-2	2,4,6-Trichlorophenol	245	U
95-95-4	2,4,5-Trichlorophenol	612	U
91-58-7	2-Chloronaphthalene	245	U
88-74-4	2-Nitroaniline	612	U
131-11-3	Dimethylphthalate	245	U
208-96-8	Acenaphthylene	245	U
606-20-2	2,6-Dinitrotoluene	245	U
-09-2	3-Nitroaniline	612	UJ
3-32-9	Acenaphthene	245	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-4C

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 4C

Sample wt/vol: 50.4 (g/mL) g Lab File ID: >V0705

Level: (low/med) low Date Received: 10/05/94

% Moisture: 19 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	612	U J
100-02-7	4-Nitrophenol	612	U J
132-64-9	Dibenzofuran	245	U
121-14-2	2,4-Dinitrotoluene	245	U
66-2	Diethylphthalate	245	U
005-72-3	4-chlorophenyl-phenylether	245	U
86-73-7	Fluorene	245	U
100-01-6	4-Nitroaniline	612	U J
534-52-1	4,6-Dinitro-2-methylphenol	612	U
86-30-6	N-Nitrosodiphenylamine (1)	245	U
101-55-3	4-Bromophenyl-phenylether	245	U
118-74-1	Hexachlorobenzene	245	U
87-86-5	Pentachlorophenol	612	U J
85-01-8	Phenanthrene	245	U
120-12-7	Anthracene	245	U
86-74-8	Carbazole	245	U J
84-74-2	Di-n-butylphthalate	245 ~~215~~	BJ U
206-44-0	Fluoranthene	245	U
129-00-0	Pyrene	245	U
85-68-7	Butylbenzylphthalate	245	U
91-94-1	3,3'-Dichlorobenzidine	245	U
56-55-3	Benzo(a)anthracene	37	U
218-01-9	Chrysene	37	U
117-81-7	bis(2-Ethylhexyl)phthalate	245	U
117-84-0	Di-n-octylphthalate	245	U J
205-99-2	Benzo(b)fluoranthene	37	U
207-08-9	Benzo(k)fluoranthene	37	U
50-32-8	Benzo(a)pyrene	37	U
193-39-5	Indeno(1,2,3-cd)pyrene	37	U
53-70-3	Dibenz(a,h)anthracene	37	U
191-24-2	Benzo(g,h,i)perylene	245	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MS-4C

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 4C

Sample wt/vol: 50.4 (g/mL) g Lab File ID: >V0705

Level: (low/med) low Date Received: 10/05/94

% Moisture: 19 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.9

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	4.31	395	J R
2.		UNKNOWN ALKYL ALCOHOL	4.45	215	J
3.		ALKYL SUBSTITUTED HYDROCARBON	5.73	7112	J R
4.		ALKYL SUBSTITUTED HYDROCARBON	6.71	110	J R
5.		UNKNOWN ALKYL ALCOHOL	7.03	3983	J
6.		UNKNOWN ALKYL ALCOHOL	8.88	127	J R
7.		UNKNOWN ALKYL ALCOHOL	9.40	101	J R
8.		UNKNOWN ALKYL ALCOHOL	12.22	157	J
9.		UNKNOWN HYDROCARBON	18.84	77	J
10.		UNKNOWN ALKYL ESTER	20.91	103	J R
11.		UNKNOWN HYDROCARBON	21.02	74	J
12.		UNKNOWN HYDROCARBON	22.89	98	J
13.		UNL\KNOWN CARBOXYLIC ACID	24.48	52	J
14.	57-10-3	HEXADECANOIC ACID	25.19	398	J R
15.		UNKNOWN HYDROCARBON	28.81	109	J
16.		UNKNOWN ALKYL ALCOHOL	31.60	247	J R
17.		UNKNOWN HYDROCARBON	35.68	173	J
18.		UNKNOWN HYDROCARBON	38.99	362	J
19.		UNKNOWN HYDROCARBON	41.61	215	J
20.		UNKNOWN HYDROCARBON	50.79	278	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2F

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2F

Sample wt/vol: 50.1 (g/mL) g Lab File ID: >V1409

Level: (low/med) low Date Received: 10/12/94

% Moisture: 18 decanted:(Y/N) N Date Extracted: 10/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/15/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	37	U
218-01-9	Chrysene	37	U
205-99-2	Benzo(b)fluoranthene	37	U
207-08-9	Benzo(k)fluoranthene	37	U
50-32-8	Benzo(a)pyrene	37	U
193-39-5	Indeno(1,2,3-cd)pyrene	37	U
53-70-3	Dibenz(a,h)anthracene	37	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

3A

Lab Name: New England Testing Lab

Contract: G+H RD/RA

Lab Code: RI010

Case No.:

SAS No.:

SDG No.: NETL19-1

Matrix: (soil/water) soil

Lab Sample ID: 3A

Sample wt/vol: 51.0 (g/mL) g

Lab File ID: >V1410

Level: (low/med) low

Date Received: 10/12/94

% Moisture: 22

decanted:(Y/N) N

Date Extracted: 10/13/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/15/94

Injection Volume: 2 (uL)

Dilution Factor: 1X

GPC Cleanup: (Y/N) N

pH: 5.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	38	U
218-01-9	Chrysene	38	U
205-99-2	Benzo(b)fluoranthene	38	U
7-08-9	Benzo(k)fluoranthene	38	U
-32-8	Benzo(a)pyrene	38	U
193-39-5	Indeno(1,2,3-cd)pyrene	38	U
53-70-3	Dibenz(a,h)anthracene	38	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

3B

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 3B

Sample wt/vol: 50.5 (g/mL) g Lab File ID: >V1411

Level: (low/med) low Date Received: 10/12/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 10/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/15/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	39	U
218-01-9	Chrysene	39	U
205-99-2	Benzo(b)fluoranthene	39	U
207-08-9	Benzo(k)fluoranthene	39	U
50-32-8	Benzo(a)pyrene	39	U
193-39-5	Indeno(1,2,3-cd)pyrene	39	U J
53-70-3	Dibenz(a,h)anthracene	39	U J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5A

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 5A

Sample wt/vol: 50.5 (g/mL) g Lab File ID: >V1706

Level: (low/med) low Date Received: 10/12/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 10/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/17/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	39	U
218-01-9	Chrysene	39	U
205-99-2	Benzo(b)fluoranthene	39	U
207-08-9	Benzo(k)fluoranthene	39	U
50-32-8	Benzo(a)pyrene	39	U
193-39-5	Indeno(1,2,3-cd)pyrene	39	U
53-70-3	Dibenz(a,h)anthracene	39	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5B

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 5B

Sample wt/vol: 50.2 (g/mL) g Lab File ID: >V1707

Level: (low/med) low Date Received: 10/12/94

% Moisture: 20 decanted:(Y/N) N Date Extracted: 10/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/17/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	37	U
218-01-9	Chrysene	37	U
205-99-2	Benzo(b)fluoranthene	37	U
07-08-9	Benzo(k)fluoranthene	37	U
-32-8	Benzo(a)pyrene	37	U
193-39-5	Indeno(1,2,3-cd)pyrene	37	U
53-70-3	Dibenz(a,h)anthracene	37	U

PESTICIDES/PCBS

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1A

Lab Name: New England Testing Laboratory, Inc

Contract: Wells G&H, RD/RA

Lab Code: RI010

SDG No.: NETL19-1

Matrix: (soil/water) soil

Lab Sample ID: 1A

Sample wt/vol: 35.4 (g/mL) g

Lab File ID: 1A

% Moisture: 22.0

decanted: (Y/N) n

Date Received: 10/5/94

Extraction: (SepF/Cont/Sonc) Sonc

Date Extracted: 10/5/94

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/6/94 GC1

10/7/94 GC2

Injection Volume: 2 (uL)

Dilution Factor: 1.0 GC1

1.0 GC2

GPC Cleanup: (Y/N) y

pH: 5.7

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
50-29-3	4,4'-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
12674-11-2	Aroclor-1016	36.2	U
11104-28-2	Aroclor-1221	72.4	U
11141-16-5	Aroclor-1232	36.2	U
53469-21-9	Aroclor-1242	36.2	U
12672-29-6	Aroclor-1248	36.2	U
11097-69-1	Aroclor-1254	49.3	P
11096-82-5	Aroclor-1260	36.2	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1B

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 1B

Sample wt/vol: 35.1 (g/mL) g Lab File ID: 1B

% Moisture: 47.0 decanted: (Y/N) n Date Received: 10/5/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/5/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/6/94 GC1

10/6/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1

1.0 GC2

GPC Cleanup: (Y/N) y pH: 5.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
50-29-3	4,4'-DDT	5.4	U
5103-71-9	alpha-Chlordane	2.7	U
5103-74-2	gamma-Chlordane	2.7	U
12674-11-2	Aroclor-1016	53.8	U
11104-28-2	Aroclor-1221	107.5	U
11141-16-5	Aroclor-1232	53.8	U
53469-21-9	Aroclor-1242	53.8	U
12672-29-6	Aroclor-1248	53.8	U
11097-69-1	Aroclor-1254	108.5	
11096-82-5	Aroclor-1260	53.8	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1C

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 1C

Sample wt/vol: 35.3 (g/mL) g Lab File ID: 1C

% Moisture: 27.0 decanted: (Y/N) n Date Received: 10/5/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/5/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/6/94 GC1
10/7/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1
1.0 GC2

GPC Cleanup: (Y/N) y pH: 5.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	3.9	U
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9	U
72-54-8	4,4'-DDD	3.9	U
1031-07-8	Endosulfan sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	19.4	U
53494-70-5	Endrin ketone	3.9	U
7421-36-3	Endrin aldehyde	3.9	U
5103-71-9	alpha-Chlordane	1.3	JP
5103-74-2	gamma-Chlordane	1.9	U
8001-35-2	Toxaphene	194.0	U
12674-11-2	Aroclor-1016	38.8	U
11104-28-2	Aroclor-1221	77.6	U
11141-16-5	Aroclor-1232	38.8	U
53469-21-9	Aroclor-1242	38.8	U
12672-29-6	Aroclor-1248	38.8	U
11097-69-1	Aroclor-1254	52.4	P
11096-82-5	Aroclor-1260	38.8	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1D

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 1D

Sample wt/vol: 35.3 (g/mL) g Lab File ID: 1D

% Moisture: 31.0 decanted: (Y/N) n Date Received: 10/5/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/5/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/6/94 GC1
10/6/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1
1.0 GC2

GPC Cleanup: (Y/N) y pH: 5.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	2.1	U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan sulfate	4.1	U
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	20.5	U
53494-70-5	Endrin ketone	4.1	U
7421-36-3	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	1.3	J
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	205.3	U
12674-11-2	Aroclor-1016	41.1	U
11104-28-2	Aroclor-1221	82.1	U
11141-16-5	Aroclor-1232	41.1	U
53469-21-9	Aroclor-1242	41.1	U
12672-29-6	Aroclor-1248	41.1	U
11097-69-1	Aroclor-1254	73.0	
11096-82-5	Aroclor-1260	41.1	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2A

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2A

Sample wt/vol: 35.6 (g/mL) g Lab File ID: 2A

% Moisture: 27.0 decanted: (Y/N) n Date Received: 10/5/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/5/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/6/94 GC1

10/7/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1

1.0 GC2

GPC Cleanup: (Y/N) y pH: 5.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.9	U
319-85-7	beta-BHC	1.9	U
319-86-8	delta-BHC	1.9	U
58-89-9	gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	19.2	U
53494-70-5	Endrin ketone	3.8	U
7421-36-3	Endrin aldehyde	3.8	U
5103-71-9	alpha-Chlordane	10.2	P
5103-74-2	gamma-Chlordane	7.2	P
8001-35-2	Toxaphene	192.4	U
12674-11-2	Aroclor-1016	38.5	U
11104-28-2	Aroclor-1221	77.0	U
11141-16-5	Aroclor-1232	38.5	U
53469-21-9	Aroclor-1242	38.5	U
12672-29-6	Aroclor-1248	38.5	U
11097-69-1	Aroclor-1254	648.0	E
11096-82-5	Aroclor-1260	38.5	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2ADL

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2ADL

Sample wt/vol: 35.6 (g/mL) g Lab File ID: 2ADL

% Moisture: 27.0 decanted: (Y/N) n Date Received: 10/5/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/5/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/6/94 GC1
10/7/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 2.0 GC1
2.0 GC2

GPC Cleanup: (Y/N) y pH: 5.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.8	DU
319-85-7	beta-BHC	3.8	DU
319-86-8	delta-BHC	3.8	DU
58-89-9	gamma-BHC (Lindane)	3.8	DU
76-44-8	Heptachlor	3.8	DU
309-00-2	Aldrin	3.8	DU
1024-57-3	Heptachlor epoxide	3.8	DU
959-98-8	Endosulfan I	3.8	DU
60-57-1	Dieldrin	7.7	DU
72-55-9	4,4'-DDE	7.7	DU
72-20-8	Endrin	7.7	DU
33213-65-9	Endosulfan II	7.7	DU
72-54-8	4,4'-DDD	7.7	DU
1031-07-8	Endosulfan sulfate	7.7	DU
50-29-3	4,4'-DDT	7.7	DU
72-43-5	Methoxychlor	38.5	DU
53494-70-5	Endrin ketone	7.7	DU
7421-36-3	Endrin aldehyde	7.7	DU
5103-71-9	alpha-Chlordane	10.0	DP
5103-74-2	gamma-Chlordane	8.0	DP
8001-35-2	Toxaphene	384.8	DU
12674-11-2	Aroclor-1016	77.0	DU
11104-28-2	Aroclor-1221	153.9	DU
11141-16-5	Aroclor-1232	77.0	DU
53469-21-9	Aroclor-1242	77.0	DU
12672-29-6	Aroclor-1248	77.0	DU
11097-69-1	Aroclor-1254	735.0	D
11096-82-5	Aroclor-1260	77.0	DU

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FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2B

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2B

Sample wt/vol: 35.1 (g/mL) g Lab File ID: 2B

% Moisture: 24.0 decanted: (Y/N) n Date Received: 10/5/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/5/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/6/94 GC1
10/6/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1
1.0 GC2

GPC Cleanup: (Y/N) y pH: 6.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
50-29-3	4,4'-DDT	3.7	U
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
12674-11-2	Aroclor-1016	37.5	U
11104-28-2	Aroclor-1221	75.0	U
11141-16-5	Aroclor-1232	37.5	U
53469-21-9	Aroclor-1242	37.5	U
12672-29-6	Aroclor-1248	37.5	U
11097-69-1	Aroclor-1254	37.5	U
11096-82-5	Aroclor-1260	37.5	U

FORM I PEST 3/90

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2C

Lab Name: New England Testing Laboratory, Inc

Contract: Wells G&H, RD/RA

Lab Code: RI010

SDG No.: NETL19-1

Matrix: (soil/water) soil

Lab Sample ID: 2C

Sample wt/vol: 35.2 (g/mL) g

Lab File ID: 2C

% Moisture: 17.0

decanted: (Y/N) n

Date Received: 10/5/94

Extraction: (SepF/Cont/Sonc) Sonc

Date Extracted: 10/5/94

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 10/6/94 GC1

10/6/94 GC2

Injection Volume: 2 (uL)

Dilution Factor: 1.0 GC1

1.0 GC2

GPC Cleanup: (Y/N) y

pH: 5.2

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
50-29-3	4,4'-DDT	3.4	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
12674-11-2	Aroclor-1016	34.2	U
11104-28-2	Aroclor-1221	68.5	U
11141-16-5	Aroclor-1232	34.2	U
53469-21-9	Aroclor-1242	34.2	U
12672-29-6	Aroclor-1248	34.2	U
11097-69-1	Aroclor-1254	34.2	U
11096-82-5	Aroclor-1260	34.2	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2D

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2D

Sample wt/vol: 35.4 (g/mL) g Lab File ID: 2D

% Moisture: 17.0 decanted: (Y/N) n Date Received: 10/5/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/5/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/6/94 GC1
10/6/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1
1.0 GC2

GPC Cleanup: (Y/N) y pH: 6.3 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.4	U
72-55-9	4,4'-DDE	3.4	U
72-20-8	Endrin	3.4	U
33213-65-9	Endosulfan II	3.4	U
72-54-8	4,4'-DDD	3.4	U
1031-07-8	Endosulfan sulfate	3.4	U
50-29-3	4,4'-DDT	3.4	U
72-43-5	Methoxychlor	17.0	U
53494-70-5	Endrin ketone	3.4	U
7421-36-3	Endrin aldehyde	3.4	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170.2	U
12674-11-2	Aroclor-1016	34.0	U
11104-28-2	Aroclor-1221	68.1	U
11141-16-5	Aroclor-1232	34.0	U
53469-21-9	Aroclor-1242	34.0	U
12672-29-6	Aroclor-1248	34.0	U
11097-69-1	Aroclor-1254	34.0	U
11096-82-5	Aroclor-1260	34.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2E

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2E

Sample wt/vol: 35.4 (g/mL) g Lab File ID: 2E

% Moisture: 21.0 decanted: (Y/N) n Date Received: 10/5/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/5/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/6/94 GC1

10/7/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1

1.0 GC2

GPC Cleanup: (Y/N) y pH: 5.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
50-29-3	4,4'-DDT	290.0	E
5103-71-9	alpha-Chlordane	63.2	E
5103-74-2	gamma-Chlordane	62.0	EJ
12674-11-2	Aroclor-1016	35.8	U
11104-28-2	Aroclor-1221	71.5	U
11141-16-5	Aroclor-1232	35.8	U
53469-21-9	Aroclor-1242	35.8	U
12672-29-6	Aroclor-1248	35.8	U
11097-69-1	Aroclor-1254	35.8	U
11096-82-5	Aroclor-1260	176.5	P

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2EDL

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2EDL

Sample wt/vol: 35.4 (g/mL) g Lab File ID: 2EDL

% Moisture: 21.0 decanted: (Y/N) n Date Received: 10/5/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/5/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/6/94 GC1

10/7/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 25.0 GC1

10.0 GC2

GPC Cleanup: (Y/N) y pH: 5.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
50-29-3	4,4'-DDT	208.5	DP
5103-71-9	alpha-Chlordane	71.7	D
5103-74-2	gamma-Chlordane	71.1	DP
12674-11-2	Aroclor-1016	893.9	DU
11104-28-2	Aroclor-1221	1787.9	DU
11141-16-5	Aroclor-1232	893.9	DU
53469-21-9	Aroclor-1242	893.9	DU
12672-29-6	Aroclor-1248	893.9	DU
11097-69-1	Aroclor-1254	893.9	DU
11096-82-5	Aroclor-1260	893.9	DU

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2F

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2F

Sample wt/vol: 36.3 (g/mL) g Lab File ID: 2F

% Moisture: 18.0 decanted: (Y/N) n Date Received: 10/12/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/13/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/18/94 GC1
10/21/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1
1.0 GC2

GPC Cleanup: (Y/N) y pH: 5.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
50-29-3	4,4'-DDT	3.0	J
5103-71-9	alpha-Chlordane	1.9	P
5103-74-2	gamma-Chlordane	1.9	P
12674-11-2	Aroclor-1016	33.6	U
11104-28-2	Aroclor-1221	67.2	U
11141-16-5	Aroclor-1232	33.6	U
53469-21-9	Aroclor-1242	33.6	U
12672-29-6	Aroclor-1248	33.6	U
11097-69-1	Aroclor-1254	33.6	U
11096-82-5	Aroclor-1260	33.6	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

3A

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 3A

Sample wt/vol: 35.5 (g/mL) g Lab File ID: 3A

% Moisture: 22.0 decanted: (Y/N) n Date Received: 10/12/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/13/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/18/94 GC1

10/21/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1

1.0 GC2

GPC Cleanup: (Y/N) y pH: 5.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
50-29-3	4,4'-DDT	2.4	J
5103-71-9	alpha-Chlordane	4.2	P
5103-74-2	gamma-Chlordane	4.8	P
12674-11-2	Aroclor-1016	36.1	U
11104-28-2	Aroclor-1221	72.2	U
11141-16-5	Aroclor-1232	36.1	U
53469-21-9	Aroclor-1242	36.1	U
12672-29-6	Aroclor-1248	36.1	U
11097-69-1	Aroclor-1254	36.1	U
11096-82-5	Aroclor-1260	36.1	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

3B

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 3B

Sample wt/vol: 35.0 (g/mL) g Lab File ID: 3B

% Moisture: 23.0 decanted: (Y/N) n Date Received: 10/12/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/13/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/18/94 GC1
10/21/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1
1.0 GC2

GPC Cleanup: (Y/N) y pH: 5.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
50-29-3	4,4'-DDT	3.6	JP
5103-71-9	alpha-Chlordane	1.9	U
5103-74-2	gamma-Chlordane	1.9	U
12674-11-2	Aroclor-1016	37.1	U
11104-28-2	Aroclor-1221	74.2	U
11141-16-5	Aroclor-1232	37.1	U
53469-21-9	Aroclor-1242	37.1	U
12672-29-6	Aroclor-1248	37.1	U
11097-69-1	Aroclor-1254	37.1	U
11096-82-5	Aroclor-1260	37.1	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4A

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 4A

Sample wt/vol: 35.3 (g/mL) g Lab File ID: 4A

% Moisture: 17.0 decanted: (Y/N) n Date Received: 10/5/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/5/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/6/94 GC1
10/6/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1
1.0 GC2

GPC Cleanup: (Y/N) y pH: 6.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
50-29-3	4,4'-DDT	3.4	U
5103-71-9	alpha-Chlordane	1.1	JP
5103-74-2	gamma-Chlordane	1.2	JP
12674-11-2	Aroclor-1016	34.1	U
11104-28-2	Aroclor-1221	68.3	U
11141-16-5	Aroclor-1232	34.1	U
53469-21-9	Aroclor-1242	34.1	U
12672-29-6	Aroclor-1248	34.1	U
11097-69-1	Aroclor-1254	34.1	U
11096-82-5	Aroclor-1260	34.1	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4B

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 4B

Sample wt/vol: 35.2 (g/mL) g Lab File ID: 4B

% Moisture: 22.0 decanted: (Y/N) n Date Received: 10/5/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/5/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/6/94 GC1

10/6/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1

1.0 GC2

GPC Cleanup: (Y/N) y pH: 5.4 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
50-29-3	4,4'-DDT	3.6	U
5103-71-9	alpha-Chlordane	1.8	U
5103-74-2	gamma-Chlordane	1.8	U
12674-11-2	Aroclor-1016	36.4	U
11104-28-2	Aroclor-1221	72.8	U
11141-16-5	Aroclor-1232	36.4	U
53469-21-9	Aroclor-1242	36.4	U
12672-29-6	Aroclor-1248	36.4	U
11097-69-1	Aroclor-1254	36.4	U
11096-82-5	Aroclor-1260	36.4	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

4C

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 4C

Sample wt/vol: 35.4 (g/mL) g Lab File ID: 4C

% Moisture: 19.0 decanted: (Y/N) n Date Received: 10/5/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/5/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/6/94 GC1
10/7/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1
1.0 GC2

GPC Cleanup: (Y/N) y pH: 6.9 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5	U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan sulfate	3.5	U
50-29-3	4,4'-DDT	3.2	J
72-43-5	Methoxychlor	17.4	U
53494-70-5	Endrin ketone	3.5	U
7421-36-3	Endrin aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	174.4	U
12674-11-2	Aroclor-1016	34.9	U
11104-28-2	Aroclor-1221	69.7	U
11141-16-5	Aroclor-1232	34.9	U
53469-21-9	Aroclor-1242	34.9	U
12672-29-6	Aroclor-1248	34.9	U
11097-69-1	Aroclor-1254	34.9	U
11096-82-5	Aroclor-1260	34.9	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5A

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 5A

Sample wt/vol: 35.2 (g/mL) g Lab File ID: 5A

% Moisture: 23.0 decanted: (Y/N) n Date Received: 10/12/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/13/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/18/94 GC1
10/21/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1
1.0 GC2

GPC Cleanup: (Y/N) y pH: 5.5 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
50-29-3	4,4'-DDT	7.2	P
5103-71-9	alpha-Chlordane	21.1	P
5103-74-2	gamma-Chlordane	24.6	P
12674-11-2	Aroclor-1016	36.9	U
11104-28-2	Aroclor-1221	73.8	U
11141-16-5	Aroclor-1232	36.9	U
53469-21-9	Aroclor-1242	36.9	U
12672-29-6	Aroclor-1248	36.9	U
11097-69-1	Aroclor-1254	36.9	U
11096-82-5	Aroclor-1260	36.9	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5B

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 5B

Sample wt/vol: 35.2 (g/mL) g Lab File ID: 5B

% Moisture: 20.0 decanted: (Y/N) n Date Received: 10/12/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/13/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/18/94 GC1

10/21/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1

1.0 GC2

GPC Cleanup: (Y/N) y pH: 5.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
50-29-3 ----------	4,4'-DDT	3.1	J
5103-71-9 ----------	alpha-Chlordane	44.9	EP
5103-74-2 ----------	gamma-Chlordane	86.0	EP
12674-11-2 ----------	Aroclor-1016	35.5	U
11104-28-2 ----------	Aroclor-1221	71.0	U
11141-16-5 ----------	Aroclor-1232	35.5	U
53469-21-9 ----------	Aroclor-1242	35.5	U
12672-29-6 ----------	Aroclor-1248	35.5	U
11097-69-1 ----------	Aroclor-1254	35.5	U
11096-82-5 ----------	Aroclor-1260	35.5	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5BDL

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 5BDL

Sample wt/vol: 35.2 (g/mL) g Lab File ID: 5BDL

% Moisture: 20.0 decanted: (Y/N) n Date Received: 10/12/94

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/13/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/18/94 GC1
10/21/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 10.0 GC1
10.0 GC2

GPC Cleanup: (Y/N) y pH: 5.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
50-29-3	4,4'-DDT	35.5	DU
5103-71-9	alpha-Chlordane	126.0	DP
5103-74-2	gamma-Chlordane	153.5	DP
12674-11-2	Aroclor-1016	355.1	DU
11104-28-2	Aroclor-1221	710.2	DU
11141-16-5	Aroclor-1232	355.1	DU
53469-21-9	Aroclor-1242	355.1	DU
12672-29-6	Aroclor-1248	355.1	DU
11097-69-1	Aroclor-1254	355.1	DU
11096-82-5	Aroclor-1260	355.1	DU

SURROGATES
VOLATILES

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

	EPA SAMPLE NO.	SMC1 (TOL)	#	SMC2 (BFB)	#	SMC3 (DCE)	#	OTHER	TOT OUT
01	VBLK01	101		91		99			0
02	FIELD BLANK	103		103		113			0
03	TRIP BLANK	107		102		107			0
04	1-1DDL	103		96		104			0
05	2-2ADL	104		101		107			0
06									
07									
08									
09									
10									
11									
12									
13									
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24									
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26									
27									
28									
29									
30									

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Level:(low/med) low

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK02	98	81	99		0
02	2-2D	118	97	118		0
03	4-4C	112	90	95		0
04	2-2D MS	104	87	101		0
05	2-2D MSD	108	89	100		0
06	1-1CDL	104	97	97		0
07						
08						
09						
10						
11						
12						
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14						
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16						
17						
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27						
28						
29						
30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(84-138)
SMC2 (BFB) = Bromofluorobenzene	(59-113)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

SEMIVOLATILES

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: _____ SAS No.: _____ SDG No.: NETL19-1

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	FIELD BLANK	73	64	93	25	38	83	57	63	0
02	SBLKW1	95	78	112	37	54	107	74	79	0
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										

	QC LIMITS	
S1 (NBZ) = Nitrobenzene-d5	(35-114)	
S2 (FBP) = 2-Fluorobiphenyl	(43-116)	
S3 (TPH) = Terphenyl-d14	(33-141)	
S4 (PHL) = Phenol-d5	(10-110)	
S5 (2FP) = 2-Fluorophenol	(21-110)	
S6 (TBP) = 2,4,6-Tribromophenol	(10-123)	
S7 (2CP) = 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB) = 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

0075

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: _____ SAS No.: _____ SDG No.: NETL19-1

Level: (low/med) low

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	MS-4A	68	73	102					65	0
02	MS-4B	38	40	44					35	0
03	MS-2C	57	57	72					55	0
04	MS-1A	74	72	78					71	0
05	MS-1B	66	80	99					80	0
06	MS-2E	72	67	97					66	0
07	MS-1C	61	81	101	68	56	118	65	83	0
08	MS-1D	59	78	97	67	55	110	63	81	0
09	MS-2A	43	45	48	37	37	47	37	43	0
10	MS-2D	83	78	98	68	66	100	66	78	0
11	MS-4C	104	88	120	78	78	121	76	94	0
12	MS-2DMS	66	64	77	56	54	85	55	64	0
13	MS-2DMSD	79	70	85	67	66	100	66	78	0
14	SBLKS1	92	79	104	72	72	107	73	86	0
15	SBLKW1	95	78	112	37	54	107	74	79	0
16	FIELD BLANK	73	64	93	25	38	83	57	63	0
17	MS-2B	93	81	105					87	0
18	2F	64	63	68					68	0
19	3A	54	57	64					61	0
20	3B	70	72	86					76	0
21	5A	67	65	82					71	0
22	5B	60	59	75					63	0
23										

	QC LIMITS	
S1 (NBZ) = Nitrobenzene-d5	(23-120)	
S2 (FBP) = 2-Fluorobiphenyl	(30-115)	
S3 (TPH) = Terphenyl-d14	(18-137)	
S4 (PHL) = Phenol-d5	(24-113)	
S5 (2FP) = 2-Fluorophenol	(25-121)	
S6 (TBP) = 2,4,6-Tribromophenol	(19-122)	
S7 (2CP) = 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB) = 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

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

PESTICIDES/PCBS

2E
WATER PESTICIDE SURROGATE RECOVERY

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 Case No.: SDG No.: NETL19-1

GC Column(1): db1701 ID: 0.53 soil GC Column(2): db608 ID: 0.53 0 (mm)

	EPA SAMPLE NO.	TCX 1 %REC	#	TCX 2 %REC	#	DCB 1 %REC	#	DCB 2 %REC	#	OTHER (1)	OTHER (2)	TOT OUT
01	FB	99		25	*	7	*	28	*			3
02	PBLK02	99		71		42	*	92				1
03												
04												
05												
06												
07												
08												
09												
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28												
29												
30												

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

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

0078

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 Case No.: SDG No.: NETL19-1

GC Column(1): db1701 ID: 0.53 GC Column(2): db 608 ID: 0.53 0 (mm)

	EPA SAMPLE NO.	TCX 1 %REC	#	TCX 2 %REC	#	DCB 1 %REC	#	DCB 2 %REC	#	OTHER (1)	OTHER (2)	TOT OUT
01	1A	86		126		77		75				0
02	1B	70		89		46	*	71				1
03	1C	85		96		46	*	74				1
04	1D	80		97		48	*	77				1
05	2A	82		86		61		76				0
06	2ADL2X	0	D	0	D	0	D	0	D			0
07	2B	104		107		63		75				0
08	2C	95		104		62		73				0
09	2D	110		100		74		77				0
10	2DMS	123		121		79		85				0
11	2DMSD	127		127		87		83				0
12	2E	95		96		86		393	*			1
13	2EDL25X	0	D	0	D	0	D	0	D			0
14	2F	99		117		69		83				0
15	3A	93		112		70		81				0
16	3B	97		116		42	*	82				1
17	4A	104		117		61		67				0
18	4B	112		116		74		74				0
19	4C	129		132		96		605	*			1
20	5A	94		118		41	*	73				1
21	5B	258	*	125		87		83				1
22	5BDL	0	D	0	D	0	D	0	D			0
23	PBLK01	108		111		62		80				0
24	PBLK03	99		115		68		81				0
25												
26												
27												
28												
29												
30												

	ADVISORY QC LIMITS
TCX = Tetrachloro-m-xylene	(60-150)
DCB = Decachlorobiphenyl	(60-150)

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

0079

MS/MSD
VOLATILES

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix Spike - EPA Sample No.: 2-2D Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	#	QC. LIMITS REC.
1,1-Dichloroethene	30.7	0.0	28.3	92		59-172
Trichloroethene	30.7	0.0	28.3	92		62-137
Benzene	30.7	0.0	29.5	96		66-142
Toluene	30.7	2.2	28.3	85		59-139
Chlorobenzene	30.7	0.0	30.7	100		60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	#	% RPD	#	QC LIMITS RPD	REC.
1,1-Dichloroethene	29.8	26.2	88		4		22	59-172
Trichloroethene	29.8	26.2	88		4		24	62-137
Benzene	29.8	27.4	92		4		21	66-142
Toluene	29.8	27.4	85		0		21	59-139
Chlorobenzene	29.8	31.0	104		4		21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

SEMIVOLATILES

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix Spike - EPA Sample No.: MS-2D Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	1916	0	1001	52	26- 90
2-Chlorophenol	1916	0	967	50	25-102
1,4-Dichlorobenzene	1278	0	736	58	28-104
N-Nitroso-di-n-prop.(1)	1278	0	823	64	41-126
1,2,4-Trichlorobenzene	1278	0	767	60	38-107
4-Chloro-3-methylphenol	1916	0	1149	60	26-103
Acenaphthene	1278	0	788	62	31-137
4-Nitrophenol	1916	0	1453	76	11-114
2,4-Dinitrotoluene	1278	0	933	73	28- 89
Pentachlorophenol	1916	0	1882	98	17-109
Pyrene	1278	0	891	70	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	1927	1236	64	21	35	26- 90
2-Chlorophenol	1927	1202	62	21	50	25-102
1,4-Dichlorobenzene	1284	950	74	24	27	28-104
N-Nitroso-di-n-prop.(1)	1284	1033	80	22	38	41-126
1,2,4-Trichlorobenzene	1284	929	72	18	23	38-107
4-Chloro-3-methylphenol	1927	1357	70	15	33	26-103
Acenaphthene	1284	897	70	12	19	31-137
4-Nitrophenol	1927	1690	88	15	50	11-114
2,4-Dinitrotoluene	1284	1096	85	15	47	28- 89
Pentachlorophenol	1927	1814	94	4	47	17-109
Pyrene	1284	1041	81	15	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

PESTICIDES/PCBS

3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: New England Testing Laboratory, Inc Contract: G&H RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix Spike - EPA Sample No.: 2D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	#	QC. LIMITS REC.
gamma-BHC(Lindane)	17.163	0	22.9	133	*	46-127
Heptachlor	17.163	0	18.8	110		35-130
Aldrin	17.163	0	22.5	131		34-132
Dieldrin	34.325	0	47.6	139	*	31-134
Endrin	34.325	0	55.2	161	*	42-139
4,4'-DDT	34.325	0	51.2	149	*	23-134

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	#	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC(Lindane)	18.395	24.6	134	*	1		50	46-127
Heptachlor	18.395	19.9	108		2		31	35-130
Aldrin	18.395	24.1	131		0		43	34-132
Dieldrin	36.79	47.7	130		7		38	31-134
Endrin	36.79	52.5	143	*	12		45	42-139
4,4'-DDT	36.79	46.3	126		17		50	23-134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 6 out of 12 outside limits

COMMENTS Please see narative

0085

BLANKS
VOLATILES

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: New England Testing Contract: G&H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Lab File ID: T1522 Lab Sample ID: VBLK01

Date Analyzed: 10/15/94 Time Analyzed: 1210

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) N

Instrument ID: 5972

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	FIELD BLANK	FIELD BLANK	T1523	1244
02	TRIP BLANK	TRIP BLANK	T1524	0116
03	1-1DDL	1-1DDL	T1526	0223
04	2-2ADL	2-2ADL	T1527	0256
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
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30				

COMMENTS:

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) WATER Lab Sample ID: VBLK01

Sample wt/vol: 25 (g/mL) mL Lab File ID: T1522

Level: (low/med) Low Date Received:

% Moisture: not dec. Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
67-64-1	Acetone	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
67-66-3	Chloroform	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
1330-20-7	Xylene (total)	1.0	U

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: New England Testing Contract: G&H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Lab File ID: T1502 Lab Sample ID: VBLK02

Date Analyzed: 10/15/94 Time Analyzed: 1135

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) Y

Instrument ID: 5972

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	2-2D	2-2D	T1503	1204
02	4-4C	4-4C	T1504	1234
03	2-2D MS	2-2D MS	T1505	1308
04	2-2D MSD	2-2D MSD	T1506	1345
05	1-1CDL	1-1CDL	T15D9	2042
06				
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COMMENTS:

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: VBLK02

Sample wt/vol: 5.219 (g/mL) g Lab File ID: T1502

Level: (low/med) Low Date Received:

% Moisture: not dec. Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-09-2	Methylene Chloride	9.5	
67-64-1	Acetone	6.6	
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
67-66-3	Chloroform	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
1330-20-7	Xylene (total)	1.0	U

SEMIVOLATILES

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKS1

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID: >V0708 Lab Sample ID: SBLKS1

Instrument ID: MACH 2 Date Extracted: 10/05/94

Matrix: (soil/water) SOIL Date Analyzed: 10/07/94

Level: (low/med) LOW Time Analyzed: 1931

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	MS-4A	4A	>V0603	10/06/94
02	MS-4B	4B	>V0604	10/06/94
03	MS-2C	2C	>V0605	10/06/94
04	MS-1A	1A	>V0607	10/06/94
05	MS-1B	1B	>V0608	10/06/94
06	MS-2E	2E	>V0609	10/06/94
07	MS-1C	1C	>V0610	10/06/94
08	MS-1D	1D	>V0611	10/06/94
09	MS-2A	2A	>V0703	10/07/94
10	MS-2D	2D	>V0704	10/07/94
11	MS-4C	4C	>V0705	10/07/94
12	MS-2DMS	2D MS	>V0706	10/07/94
13	MS-2DMSD	2D MSD	>V0707	10/07/94
14	MS-2B	2B	>V0711	10/07/94
15	2F	2F	>V1410	10/15/02
16	3A	3A	>V1411	10/15/02
17	3B	3B	>V1412	10/15/02
18	5A	5A	>V1706	10/17/94
19	5B	5B	>V1707	10/17/94
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COMMENTS:

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1

Sample wt/vol: 50.0 (g/mL) g Lab File ID: >V0708

Level: (low/med) low Date Received: 10/05/94

% Moisture: 0 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	200	U
111-44-4	bis(2-Chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
541-73-1	1,3-Dichlorobenzene	200	U
6-46-7	1,4-Dichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
95-48-7	2-Methylphenol	200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	200	U
106-44-5	4-Methylphenol	200	U
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	bis(2-Chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U
91-20-3	Naphthalene	200	U
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	200	U
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	500	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethylphthalate	200	U
208-96-8	Acenaphthylene	200	U
606-20-2	2,6-Dinitrotoluene	200	U
-09-2	3-Nitroaniline	500	U
3-32-9	Acenaphthene	200	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKS1

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1

Sample wt/vol: 50.0 (g/mL) g Lab File ID: >V0708

Level: (low/med) low Date Received: 10/05/94

% Moisture: 0 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	500	U
100-02-7	4-Nitrophenol	500	U
132-64-9	Dibenzofuran	200	U
121-14-2	2,4-Dinitrotoluene	200	U
66-2	Diethylphthalate	200	U
005-72-3	4-chlorophenyl-phenylether	200	U
86-73-7	Fluorene	200	U
100-01-6	4-Nitroaniline	500	U
534-52-1	4,6-Dinitro-2-methylphenol	500	U
86-30-6	N-Nitrosodiphenylamine (1)	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
87-86-5	Pentachlorophenol	500	U
85-01-8	Phenanthrene	200	U
120-12-7	Anthracene	200	U
86-74-8	Carbazole	200	U
84-74-2	Di-n-butylphthalate	189	J
206-44-0	Fluoranthene	200	U
129-00-0	Pyrene	200	U
85-68-7	Butylbenzylphthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo(a)anthracene	30	U
218-01-9	Chrysene	30	U
117-81-7	bis(2-Ethylhexyl)phthalate	200	U
117-84-0	Di-n-octylphthalate	200	U
205-99-2	Benzo(b)fluoranthene	30	U
207-08-9	Benzo(k)fluoranthene	30	U
50-32-8	Benzo(a)pyrene	30	U
193-39-5	Indeno(1,2,3-cd)pyrene	30	U
53-70-3	Dibenz(a,h)anthracene	30	U
191-24-2	Benzo(g,h,i)perylene	200	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKS1

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: SBLKS1

Sample wt/vol: 50 (g/mL) g Lab File ID: >V0708

Level: (low/med) low Date Received: 10/05/94

% Moisture: 0 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 7

Number TICs found: 11 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALCOHOL	4.33	316	J
2.		ALKYL SUBSTITUTED HYDROCARBON	5.74	4891	J
3.		UNKNOWN HYDROCARBON	6.71	63	J
4.		UNKNOWN ALCOHOL	8.88	99	J
5.	79-34-5	1,1,2,2-TETRACHLOROETHANE	9.20	65	J
6.		UNKNOWN ALCOHOL	9.24	60	J
7.		UNKNOWN ALCOHOL	9.41	84	J
8.		ALKYL SUBSTITUTED HYDROCARBON	20.92	66	J
9.	57-10-3	HEXADECANOIC ACID	25.17	87	J
10.		UNKNOWN HYDROCARBON	31.60	79	J
11.		UNKNOWN HYDROCARBON	38.11	52	J
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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKW1

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID: >V0709 Lab Sample ID: SBLKW1

Instrument ID: MACH 2 Date Extracted: 10/06/94

Matrix: (soil/water) WATER Date Analyzed: 10/07/94

Level: (low/med) LOW Time Analyzed: 2044

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	FIELD BLANK	FIELD BLANK	>V0710	10/07/94
02				
03				
04				
05				
06				
07				
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COMMENTS:

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKW1

Lab Name: New England Testing Lab

Contract: G+H RD/RA

Lab Code: RI010

Case No.:

SAS No.:

SDG No.: NETL19-1

Matrix: (soil/water) water

Lab Sample ID: SBLKW1

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: >V0709

Level: (low/med) low

Date Received: 10/05/94

% Moisture:

decanted:(Y/N) N

Date Extracted: 10/06/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/07/94

Injection Volume: 2 (uL)

Dilution Factor: 1X

GPC Cleanup: (Y/N) N

pH:

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
6-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
09-2	3-Nitroaniline	25	U
3-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKW1

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) water Lab Sample ID: SBLKW1

Sample wt/vol: 1000 (g/mL) ml Lab File ID: >V0709

Level: (low/med) low Date Received: 10/05/94

% Moisture: decanted:(Y/N) N Date Extracted: 10/06/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
-66-2	Diethylphthalate	10	U
005-72-3	4-chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SBLKW1

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) water Lab Sample ID: SBLKW1

Sample wt/vol: 1000 (g/mL) ml Lab File ID: >V0709

Level: (low/med) low Date Received: 10/05/94

% Moisture: decanted:(Y/N) N Date Extracted: 10/06/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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PESTICIDES/PCBS

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK01

Lab Name: New England Testing Laboratory, Inc

Contract: Wells G&H, RD/RA

Lab Code: RI010

SDG No.: NETL19-

Lab Sample ID: PBLK01

Lab File ID: PBLK01

Matrix: (soil/water) SOIL

Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/05/94

Date Analyzed (1): 10/06/94

Date Analyzed (2): 10/06/94

Time Analyzed (1): 10:12:58

Time Analyzed (2): 11:26:10

Instrument ID (1): GC#1

Instrument ID (2): GC#2

GC Column(1): DB 1701 ID: 0.53 (mm)

GC Column(2): DB 608 ID: .53 (mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	1A	1A	10/06/94	10/07/94
02	1B	1B	10/06/94	10/06/94
03	1C	1C	10/06/94	10/07/94
04	1D	1D	10/06/94	10/06/94
05	2A	2A	10/06/94	10/07/94
06	2ADL2X	2ADL2X	10/06/94	10/07/94
07	2B	2B	10/06/94	10/06/94
08	2C	2C	10/06/94	10/06/94
09	2D	2D	10/06/94	10/06/94
10	2DMS	2DMS	10/06/94	10/06/94
11	2DMSD	2DMSD	10/06/94	10/06/94
12	2E	2E	10/06/94	10/07/94
13	2EDL25X	2EDL25X	10/06/94	10/07/94
14	4A	4A	10/06/94	10/06/94
15	4B	4B	10/06/94	10/06/94
16	4C	4C	10/06/94	10/07/94
17				
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COMMENTS:

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK01

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: PBLK01

Sample wt/vol: 30.0 (g/mL) g Lab File ID: PBLK01

% Moisture: 0.0 decanted: (Y/N) n Date Received: 1/0/00

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/5/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/6/94 GC1
10/6/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1
1.0 GC2

GPC Cleanup: (Y/N) y pH: 7.0 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	16.7	U
53494-70-5	Endrin ketone	3.3	U
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	166.7	U
12674-11-2	Aroclor-1016	33.3	U
11104-28-2	Aroclor-1221	66.7	U
11141-16-5	Aroclor-1232	33.3	U
53469-21-9	Aroclor-1242	33.3	U
12672-29-6	Aroclor-1248	33.3	U
11097-69-1	Aroclor-1254	33.3	U
11096-82-5	Aroclor-1260	33.3	U

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK02

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-

Lab Sample ID: PBLK02 Lab File ID: PBLK02

Matrix: (soil/water) WATER Extraction:(SepF/Cont/Sonc) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 10/06/94

Date Analyzed (1): 10/06/94 Date Analyzed (2): 11/02/94

Time Analyzed (1): 23:56:39 Time Analyzed (2): 15:56:48

Instrument ID (1): GC#1 Instrument ID (2): GC#2

GC Column(1): DB 1701 ID: 0.53 (mm) GC Column(2): DB 608 ID: .53 (mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	FB	FB	10/06/94	11/02/94
02				
03				
04				
05				
06				
07				
08				
09				
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25				
26				

COMMENTS:

0103

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK02

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) WATER Lab Sample ID: PBLK02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: PBLK02

% Moisture: _____ decanted: (Y/N) _____ Date Received: _____

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/06/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/06/94
11/2/94

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05	U
5103-74-2	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	5.00	U
12674-11-2	Aroclor-1016	1.00	U
11104-28-2	Aroclor-1221	2.00	U
11141-16-5	Aroclor-1232	1.00	U
53469-21-9	Aroclor-1242	1.00	U
12672-29-6	Aroclor-1248	1.00	U
11097-69-1	Aroclor-1254	1.00	U
11096-82-5	Aroclor-1260	1.00	U

01064

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK03

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-

Lab Sample ID: PBLK03 Lab File ID: PBLK03

Matrix: (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 10/13/94

Date Analyzed (1): 10/18/94 Date Analyzed (2): 10/21/94

Time Analyzed (1): 8:50:38 Time Analyzed (2): 10:41:09

Instrument ID (1): GC#1 Instrument ID (2): GC#2

GC Column(1): DB 1701 ID: 0.53 (mm) GC Column(2): DB 608 ID: .53 (mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	2F	2F	10/18/94	10/21/94
02	3A	3A	10/18/94	10/21/94
03	3B	3B	10/18/94	10/21/94
04	5A	5A	10/18/94	10/21/94
05	5B	5B	10/18/94	10/21/94
06	5BDL	5BDL	10/18/94	10/21/94
07				
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COMMENTS:

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK03

Lab Name: New England Testing Laboratory, Inc Contract: Wells G&H, RD/RA

Lab Code: RI010 SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: PBLK03

Sample wt/vol: 30.0 (g/mL) g Lab File ID: PBLK03

% Moisture: 0.0 decanted: (Y/N) n Date Received: 1/0/00

Extraction: (SepF/Cont/Sonc) Sonc Date Extracted: 10/13/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 10/18/94 GC1
10/21/94 GC2

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1
1.0 GC2

GPC Cleanup: (Y/N) y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	16.7	U
53494-70-5	Endrin ketone	3.3	U
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	166.7	U
12674-11-2	Aroclor-1016	33.3	U
11104-28-2	Aroclor-1221	66.7	U
11141-16-5	Aroclor-1232	33.3	U
53469-21-9	Aroclor-1242	33.3	U
12672-29-6	Aroclor-1248	33.3	U
11097-69-1	Aroclor-1254	33.3	U
11096-82-5	Aroclor-1260	33.3	U

INTERNAL STANDARDS
VOLATILES

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): T1521 Date Analyzed: 10/14/94

Instrument ID: 5972 Time Analyzed: 2337

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y/N) N

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	36501	6.45	265957	8.40	177546	16.68
	UPPER LIMIT	73002	6.95	531914	8.90	355092	17.18
	LOWER LIMIT	18251	5.95	132979	7.90	88773	16.18
	EPA SAMPLE NO.						
01	VBLK01	36384	6.47	256804	8.43	172564	16.69
02	FIELD BLANK	34300	6.47	237560	8.43	164730	16.69
03	TRIP BLANK	36723	6.48	241249	8.43	164391	16.68
04	1-1DDL	37584	6.48	260038	8.44	179862	16.68
05	2-2ADL	35852	6.47	244802	8.43	169309	16.67
06							
07							
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22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

0108

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): T1501 Date Analyzed: 10/15/94

Instrument ID: 5972 Time Analyzed: 1104

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y/N) Y

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	161828	6.60	633572	8.62	492514	16.99
	UPPER LIMIT	323656	7.10	1267144	9.12	985028	17.49
	LOWER LIMIT	80914	6.10	316786	8.12	246257	16.49
	EPA SAMPLE NO.						
01	VBLK02	154976	6.65	633332	8.67	490502	16.99
02	2-2D	158704	6.61	628892	8.63	491300	16.97
03	4-4C	177991	6.62	715787	8.64	476413	16.97
04	2-2D MS	170457	6.61	689607	8.63	552779	16.97
05	2-2D MSD	174204	6.62	664847	8.63	516241	16.96
06	1-1CDL	122298	6.62	470409	8.73	283065	16.70
07							
09							
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13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

0109

SEMIVOLATILES

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): >V0602 Date Analyzed: 10/06/94

Instrument ID: MACH 2 Time Analyzed: 0937

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	60685	11.57	226734	15.14	136004	19.97
	UPPER LIMIT	121370	12.07	453468	15.64	272008	20.47
	LOWER LIMIT	30343	11.07	113367	14.64	68002	19.47
	EPA SAMPLE NO.						
01	MS-4A	60733	11.56	216947	15.14	131009	19.98
02	MS-4B	109861	11.58	389905	15.15	236485	20.00
03	MS-2C	68147	11.59	250713	15.16	153871	20.00
04	MS-1A	60561	11.59	226087	15.16	136301	20.00
05	MS-1B	50671	11.60	196445	15.17	124179	20.00
06	MS-2E	75766	11.61	269133	15.17	172736	20.01
07	MS-1C	50312	11.61	197232	15.18	125233	20.02
08	MS-1D	56476	11.61	226521	15.18	145237	20.02
09							
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19							
20							
21							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

0111

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): >V0602 Date Analyzed: 10/06/94

Instrument ID: MACH 2 Time Analyzed: 0937

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	235545	24.04	117773	32.92	99507	44.41
	UPPER LIMIT	471090	24.54	235546	33.42	199014	44.91
	LOWER LIMIT	117773	23.54	58887	32.42	49754	43.91
	EPA SAMPLE NO.						
01	MS-4A	222513	24.05	105771	32.93	73695	44.45
02	MS-4B	405666	24.06	198909	32.96	126073	44.51
03	MS-2C	249165	24.08	106278	32.99	69677	44.56
04	MS-1A	203725	24.08	92862	33.04	68741	44.60
05	MS-1B	189190	24.09	90195	33.01	67713	44.64
06	MS-2E	264383	24.09	97891	33.02	65191	44.64
07	MS-1C	170683	24.10	99705	33.02	77584	44.67
08	MS-1D	222234	24.10	112228	33.02	70765	44.69
09							
10							
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19							
20							
21							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): >V0702 Date Analyzed: 10/07/94

Instrument ID: MACH 2 Time Analyzed: 1143

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	220870	24.05	112044	32.92	80020	44.42
	UPPER LIMIT	441740	24.55	224088	33.42	160040	44.92
	LOWER LIMIT	110435	23.55	56022	32.42	40010	43.92
	EPA SAMPLE NO.						
01	MS-2A	204354	24.05	109205	32.93	84884	44.47
02	MS-2D	186004	24.05	98110	32.93	75943	44.43
03	MS-4C	178658	24.04	89127	32.92	71243	44.44
04	MS-2DMS	202317	24.04	107913	32.93	79772	44.44
05	MS-2DMSD	199983	24.05	108090	32.91	81993	44.44
06	SBLKS1	202984	24.05	112762	32.93	85081	44.45
07	SBLKW1	217086	24.05	111208	32.92	78394	44.45
08	FIELD BLANK	247398	24.05	118403	32.93	82871	44.44
09	MS-2B	198618	24.05	99712	32.92	76355	44.46
10							
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20							
21							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

0113

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): >V0702 Date Analyzed: 10/07/94

Instrument ID: MACH 2 Time Analyzed: 1143

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	58015	11.58	222692	15.15	131310	19.98
	UPPER LIMIT	116030	12.08	445384	15.65	262620	20.48
	LOWER LIMIT	29008	11.08	111346	14.65	65655	19.48
	EPA SAMPLE NO.						
01	MS-2A	54361	11.57	206709	15.15	126795	19.98
02	MS-2D	46699	11.57	179907	15.15	111188	19.98
03	MS-4C	47403	11.57	178978	15.14	110171	19.98
04	MS-2DMS	47264	11.57	189819	15.15	120031	19.98
05	MS-2DMSD	47295	11.57	193709	15.14	124862	19.98
06	SBLKS1	50814	11.57	195543	15.15	122651	19.98
07	SBLKW1	53325	11.57	208227	15.14	132136	19.98
08	FIELD BLANK	65426	11.58	246546	15.15	152325	19.98
09	MS-2B	48453	11.57	190067	15.14	121272	19.98
10							
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21							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

0114

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab

Contract: G&H RD/RA

Lab Code: RI010

Case No.:

SAS No.:

SDG No.: NETL19-1

Lab File ID (Standard): >V1402

Date Analyzed: 10/14/94

Instrument ID: MACH 2

Time Analyzed: 1745

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	36846	10.75	132056	14.31	74209	19.12
	UPPER LIMIT	73692	11.25	264112	14.81	148418	19.62
	LOWER LIMIT	18423	10.25	66028	13.81	37105	18.62
	EPA SAMPLE NO.						
01	XXXXX	43582	10.74	167785	14.31	108897	19.12
02	XXXXX	38239	10.74	147680	14.30	93369	19.11
03	XXXXX	42495	10.73	160744	14.30	94737	19.11
04	XXXXX	44766	10.73	172256	14.30	111035	19.11
05	XXXXX	42975	10.73	166761	14.31	108906	19.11
06	XXXXX	40966	10.73	160115	14.30	103227	19.12
07	2F	44301	10.74	172137	14.31	110600	19.11
08	3A	43970	10.73	175682	14.31	111401	19.12
09	3B	36800	10.73	142948	14.31	94204	19.11
10							
11							
12							
13							
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19							
20							
21							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

0115

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): >V1402 Date Analyzed: 10/14/94

Instrument ID: MACH 2 Time Analyzed: 1745

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	115949	23.14	72964	31.20	61005	40.79
	UPPER LIMIT	231898	23.64	145928	31.70	122010	41.29
	LOWER LIMIT	57975	22.64	36482	30.70	30503	40.29
	EPA SAMPLE NO.						
01	XXXXX	188357	23.14	121938	31.21	87368	40.82
02	XXXXX	160854	23.13	99819	31.19	72214	40.79
03	XXXXX	109609	23.16	67848	31.22	35241	40.91
04	XXXXX	195972	23.14	118765	31.21	67052	40.81
05	XXXXX	187807	23.14	111805	31.21	72601	40.81
06	XXXXX	175532	23.15	103262	31.22	52125	40.84
07	2F	184854	23.15	125375	31.22	78882	40.84
08	3A	189678	23.14	114070	31.21	69275	40.82
09	3B	160807	23.14	98339	31.20	56506	40.82
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

0116

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab

Contract: G&H RD/RA

Lab Code: RI010

Case No.:

SAS No.:

SDG No.: NETL19-1

Lab File ID (Standard): >V1705

Date Analyzed: 10/17/94

Instrument ID: MACH 2

Time Analyzed: 1710

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	59154	10.65	225096	14.22	137233	19.02
UPPER LIMIT	118308	11.15	450192	14.72	274466	19.52
LOWER LIMIT	29577	10.15	112548	13.72	68617	18.52
EPA SAMPLE NO.						
01 5A	65889	10.63	248392	14.21	153498	19.01
02 5B	60755	10.63	230250	14.21	143873	19.01
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

0117

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): >V1705 Date Analyzed: 10/17/94

Instrument ID: MACH 2 Time Analyzed: 1710

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	228523	23.03	105063	31.00	83306	40.38
	UPPER LIMIT	457046	23.53	210126	31.50	166612	40.88
	LOWER LIMIT	114262	22.53	52532	30.50	41653	39.88
	EPA SAMPLE NO.						
01	5A	258208	23.02	133276	31.00	103973	40.38
02	5B	236711	23.02	124146	30.99	100025	40.36
03							
04							
05							
06							
07							
08							
09							
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12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

0118

VOLATILES DATA PACKAGE
QC SUMMARY

2A
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

	EPA SAMPLE NO.	SMC1 (TOL)	#	SMC2 (BFB)	#	SMC3 (DCE)	#	OTHER	TOT OUT
01	VBLK01	101		91		99			0
02	FIELD BLANK	103		103		113			0
03	TRIP BLANK	107		102		107			0
04	1-1DDL	103		96		104			0
05	2-2ADL	104		101		107			0
06									
07									
08									
09									
10									
11									
12									
13									
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15									
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22									
23									
24									
25									
26									
27									
28									
29									
30									

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Level:(low/med) low

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK02	98	81	99		0
02	2-2D	118	97	118		0
03	4-4C	112	90	95		0
04	2-2D MS	104	87	101		0
05	2-2D MSD	108	89	100		0
06	1-1CDL	104	97	97		0
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
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22						
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25						
26						
27						
28						
29						
30						

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(84-138)
SMC2 (BFB) = Bromofluorobenzene	(59-113)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(70-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix Spike - EPA Sample No.: 2-2D Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	30.7	0.0	28.3	92	59-172
Trichloroethene	30.7	0.0	28.3	92	62-137
Benzene	30.7	0.0	29.5	96	66-142
Toluene	30.7	2.2	28.3	85	59-139
Chlorobenzene	30.7	0.0	30.7	100	60-133

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	29.8	26.2	88	4	22	59-172
Trichloroethene	29.8	26.2	88	4	24	62-137
Benzene	29.8	27.4	92	4	21	66-142
Toluene	29.8	27.4	85	0	21	59-139
Chlorobenzene	29.8	31.0	104	4	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK01

Lab Name: New England Testing Contract: G&H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Lab File ID: T1522 Lab Sample ID: VBLK01

Date Analyzed: 10/15/94 Time Analyzed: 1210

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) N

Instrument ID: 5972

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	FIELD BLANK	FIELD BLANK	T1523	1244
02	TRIP BLANK	TRIP BLANK	T1524	0116
03	1-1DDL	1-1DDL	T1526	0223
04	2-2ADL	2-2ADL	T1527	0256
05				
06				
07				
08				
09				
10				
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13				
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COMMENTS:

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK02

Lab Name: New England Testing Contract: G&H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Lab File ID: T1502 Lab Sample ID: VBLK02

Date Analyzed: 10/15/94 Time Analyzed: 1135

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) Y

Instrument ID: 5972

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	2-2D	2-2D	T1503	1204
02	4-4C	4-4C	T1504	1234
03	2-2D MS	2-2D MS	T1505	1308
04	2-2D MSD	2-2D MSD	T1506	1345
05	1-1CDL	1-1CDL	T15D9	2042
06				
07				
08				
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COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID: R3000 BFB Injection Date: 08/30/94

Instrument ID: 5972 BFB Injection Time: 1147

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE		
50	8.0 - 40.0% of mass 95	16.2		
75	30.0 - 66.0% of mass 95	42.3		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.7		
173	Less than 2.0% of mass 174	0.00	(0.0	)1
174	50.0 - 120.0% of mass 95	65.7		
175	4.0 - 9.0% of mass 174	4.9	(7.4	)1
176	93.0 - 101.0% of mass 174	64.9	(98.7	)1
177	5.0 - 9.0% of mass 176	4.6	(7.1	)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	R3002	R3002	08/30/94	1256
02	VSTD002	R3003	R3003	08/30/94	1339
03	VSTD005	R3004	R3004	08/30/94	1422
04	VSTD010	R3005	R3005	08/30/94	1502
05	VSTD025	R3007	R3007	08/30/94	1628
06					
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22					

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID: R3100 BFB Injection Date: 08/31/94

Instrument ID: 5972 BFB Injection Time: 1241

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE		
50	8.0 - 40.0% of mass 95	16.6		
75	30.0 - 66.0% of mass 95	40.9		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.4		
173	Less than 2.0% of mass 174	0.00	(0.0	)1
174	50.0 - 120.0% of mass 95	67.4		
175	4.0 - 9.0% of mass 174	5.3	(7.9	)1
176	93.0 - 101.0% of mass 174	66.2	(98.2	)1
177	5.0 - 9.0% of mass 176	5.2	(7.8	)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	R3102	R3102	08/31/94	1407
02	VSTD010	R3103	R3103	08/31/94	1649
03	VSTD050	R3104	R3104	08/31/94	1557
04	VSTD075	R3105	R3105	08/31/94	1649
05	VSTD100	R3106	R3106	08/31/94	1705
06					
07					
08					
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20					
21					
22					

0126

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Lab File ID: T1520 BFB Injection Date: 10/14/94

Instrument ID: 5972 BFB Injection Time: 2300

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) N

m/e	ION ABUNDANCE CRITERIA		% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	SEE ATTACHED	
75	30.0 - 66.0% of mass 95		
95	Base peak, 100% relative abundance		
96	5.0 - 9.0% of mass 95		
173	Less than 2.0% of mass 174		( )1
174	50.0 - 120.0% of mass 95		
175	4.0 - 9.0% of mass 174		( )1
176	93.0 - 101.0% of mass 174		( )1
177	5.0 - 9.0% of mass 176		( )2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD005	VSTD005	T1521	10/14/94	2337
02	VBLK01	VBLK01	T1522	10/15/94	1210
03	FIELD BLANK	FIELD BLANK	T1523	10/15/94	1244
04	TRIP BLANK	TRIP BLANK	T1524	10/15/94	0116
05	1-1DDL	1-1DDL	T1526	10/15/94	0223
06	2-2ADL	2-2ADL	T1527	10/15/94	0256
07					
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0127

NETLAB

AFFIDAVIT

On October 14, 1994 the following batch sequence was used to process water samples and medium level soil samples for volatile organics analysis:

SAMPLE	DATE	TIME
VSTD005	10/14/94	2337
VBLK01	10/15/94	1210
FIELD BLANK	10/15/94	1244
TRIP BLANK	10/15/94	0116
1-1DDL	10/15/94	0223
2-2ADL	10/15/94	0256

I certify under the pains and penalties of perjury that, immediately preceding the sample sequence above, a 50 ng injection of BFB was analyzed and found to meet EPA CLP criteria as detailed on Form 5A.

David Jayroe
GC/MS Operator

NEW ENGLAND TESTING LABORATORY, INC.
1254 DOUGLAS AVENUE, N. PROVIDENCE RI
PROVIDENCE (401) 353-3420 BOSTON (617) 451-5939

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Lab File ID: T1500 BFB Injection Date: 10/15/94

Instrument ID: 5972 BFB Injection Time: 0954

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y / N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE		
50	8.0 - 40.0% of mass 95	21.4		
75	30.0 - 66.0% of mass 95	49.8		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.8		
173	Less than 2.0% of mass 174	0.38	(0.5	)1
174	50.0 - 120.0% of mass 95	68.6		
175	4.0 - 9.0% of mass 174	4.7	(6.8	)1
176	93.0 - 101.0% of mass 174	67.3	(98.1	)1
177	5.0 - 9.0% of mass 176	5.1	(7.6	)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	T1501	10/15/94	1104
02	VBLK01	VBLK01	T1502	10/15/94	1135
03	2-2D	2-2D	T1503	10/15/94	1204
04	4-4C	4-4C	T1504	10/15/94	1234
05	2-2D MS	2-2D MS	T1505	10/15/94	1308
06	2-2D MSD	2-2D MSD	T1506	10/15/94	1345
07	1-1CDL	1-1CDL	T15D9	10/15/94	2042
08					
09					
10					
11					
12					
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14					
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17					
18					
19					
20					
21					
22					

0129

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): T1521 Date Analyzed: 10/14/94

Instrument ID: 5972 Time Analyzed: 2337

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y/N) N

		IS1 (BCM) AREA #	RT #	IS2 (DFB) AREA #	RT #	IS3 (CBZ) AREA #	RT #
	12 HOUR STD	36501	6.45	265957	8.40	177546	16.68
	UPPER LIMIT	73002	6.95	531914	8.90	355092	17.18
	LOWER LIMIT	18251	5.95	132979	7.90	88773	16.18
	EPA SAMPLE NO.						
01	VBLK01	36384	6.47	256804	8.43	172564	16.69
02	FIELD BLANK	34300	6.47	237560	8.43	164730	16.69
03	TRIP BLANK	36723	6.48	241249	8.43	164391	16.68
04	1-1DDL	37584	6.48	260038	8.44	179862	16.68
05	2-2ADL	35852	6.47	244802	8.43	169309	16.67
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

0130

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): T1501 Date Analyzed: 10/15/94

Instrument ID: 5972 Time Analyzed: 1104

GC Column: VOCOL ID: 0.75 (mm) Heated Purge: (Y/N) Y

		IS1 (BCM) AREA	#	RT	#	IS2 (DFB) AREA	#	RT	#	IS3 (CBZ) AREA	#	RT	#
	12 HOUR STD	161828		6.60		633572		8.62		492514		16.99	
	UPPER LIMIT	323656		7.10		1267144		9.12		985028		17.49	
	LOWER LIMIT	80914		6.10		316786		8.12		246257		16.49	
	EPA SAMPLE NO.												
01	VBLK02	154976		6.65		633332		8.67		490502		16.99	
02	2-2D	158704		6.61		628892		8.63		491300		16.97	
03	4-4C	177991		6.62		715787		8.64		476413		16.97	
04	2-2D MS	170457		6.61		689607		8.63		552779		16.97	
05	2-2D MSD	174204		6.62		664847		8.63		516241		16.96	
06	1-1CDL	122298		6.62		470409		8.73		283065		16.70	
07													
08													
09													
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11													
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16													
17													
18													
19													
20													
21													
22													

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

0131

SAMPLE DATA

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) WATER Lab Sample ID: FIELD BLANK

Sample wt/vol: 25 (g/mL) mL Lab File ID: T1523

Level: (low/med) Low Date Received: 10/05/94

% Moisture: not dec. Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-09-2	Methylene Chloride	7.7	
67-64-1	Acetone	1.1	
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
67-66-3	Chloroform	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.7	
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
1330-20-7	Xylene (total)	1.0	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T1523.D
Acq Time : 15 Oct 94 12:44 am
Sample : FIELD BLANK 1X
Misc : E1005-02
Quant Time: Oct 24 12:10 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Mon Oct 24 12:08:00 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.47	130	34300	5.00 ug/L	0.03
17) 1,4-Difluorobenzene	8.43	114	237560	5.00 ug/L	0.04
29) Chlorobenzene-D5	16.68	117	164730	5.00 ug/L	0.01

System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-D4	7.56	65	37455	5.65 ug/L	112.92%
31) Toluene-D8	12.26	98	212584	5.15 ug/L	103.08%
41) Bromofluorobenzene-SS	20.61	95	116615	5.14 ug/L	102.89%

Target Compounds					Qvalue
7) Acetone	3.83	43	14897	1.07 ug/L #	37
9) Methylene Chloride	4.29	84	1208036	7.69 ug/L	93
13) Toluene	12.48	91	101410	1.71 ug/L	94

(#) = qualifier out of range (m) = manual integration

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-1CDL

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 1-1CDL

Sample wt/vol: 2.600 (g/mL) g Lab File ID: T15D9

Level: (low/med) Low Date Received: 10/05/94

% Moisture: not dec. 27 Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 2X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	2.6	UD
74-83-9	Bromomethane	2.6	UD
75-01-4	Vinyl Chloride	2.6	UD
75-00-3	Chloroethane	2.6	UD
75-09-2	Methylene Chloride	55	DB
67-64-1	Acetone	12	DB
75-15-0	Carbon Disulfide	2.6	UD
75-35-4	1,1-Dichloroethene	2.6	UD
75-34-3	1,1-Dichloroethane	2.6	UD
540-59-0	1,2-Dichloroethene (total)	217	D
67-66-3	Chloroform	2.6	UD
107-06-2	1,2-Dichloroethane	2.6	UD
78-93-3	2-Butanone	11	D
71-55-6	1,1,1-Trichloroethane	2.6	UD
56-23-5	Carbon Tetrachloride	2.6	UD
75-27-4	Bromodichloromethane	2.6	UD
78-87-5	1,2-Dichloropropane	2.6	UD
10061-01-5	cis-1,3-Dichloropropene	2.6	UD
79-01-6	Trichloroethene	93	D
124-48-1	Dibromochloromethane	2.6	UD
79-00-5	1,1,2-Trichloroethane	2.6	UD
71-43-2	Benzene	23	UD
10061-02-6	trans-1,3-Dichloropropene	2.6	UD
75-25-2	Bromoform	2.6	UD
108-10-1	4-Methyl-2-Pentanone	2.6	UD
591-78-6	2-Hexanone	2.6	UD
127-18-4	Tetrachloroethene	73	D
79-34-5	1,1,2,2-Tetrachloroethane	2.6	UD
108-88-3	Toluene	2.6	UD
108-90-7	Chlorobenzene	2.6	UD
100-41-4	Ethylbenzene	54	D
100-42-5	Styrene	2.6	UD
1330-20-7	Xylene (total)	711	DE

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T15D9.D
Acq Time : 15 Oct 94 8:42 Pm
Sample : 1-10 2.600g/5ml
Misc : ps
Quant Time: Oct 26 14:17 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Mon Oct 25 16:55:12 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.62	130	122298	50.00 ug/L	0.03
17) 1,4-Difluorobenzene	8.73	114	470409	50.00 ug/L	0.03
29) Chlorobenzene-D5	16.70	117	283065	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-D4	7.70	65	141972	48.69 ug/L	97.39%
31) Toluene-D8	12.50	98	341783	52.12 ug/L	104.25%
41) Bromofluorobenzene-SS	20.87	95	240318	48.68 ug/L	97.36%
Target Compounds					Qvalue
7) Acetone	3.85	43	8417	4.56 ug/L #	37
9) Methylene Chloride	4.36	84	61608	20.89 ug/L	95
12) cis-1,2-Dichloroethene	6.02	96	236399	82.48 ug/L	94
16) 2-Butanone	5.82	43	6132	4.09 ug/L #	100
21) Trichloroethene	9.26	130	128476	35.36 ug/L	97
34) Tetrachloroethene	14.55	164	64587	27.84 ug/L	70
36) Ethyl Benzene	17.35	106	50125	20.49 ug/L	94
37) m & p Xylene	17.58	106	4070	1.28 ug/L	94
38) o-Xylene	18.90	106	814341	268.64 ug/L	51

(#) = qualifier out of range (m) = manual integration

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-1DDL

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) WATER Lab Sample ID: 1-1DDL

Sample wt/vol: 5.547 (g/mL) g Lab File ID: T1526

Level: (low/med) Med Date Received: 10/05/94

% Moisture: not dec. 31 Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1000X

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 25 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1310	UD
74-83-9	Bromomethane	1310	UD
75-01-4	Vinyl Chloride	1310	UD
75-00-3	Chloroethane	1310	UD
75-09-2	Methylene Chloride	3684	D
67-64-1	Acetone	1711	D
75-15-0	Carbon Disulfide	1310	UD
75-35-4	1,1-Dichloroethene	1310	UD
75-34-3	1,1-Dichloroethane	1310	UD
540-59-0	1,2-Dichloroethene (total)	18772	D
67-66-3	Chloroform	1310	UD
107-06-2	1,2-Dichloroethane	1310	UD
78-93-3	2-Butanone	1310	UD
71-55-6	1,1,1-Trichloroethane	1310	UD
56-23-5	Carbon Tetrachloride	1310	UD
75-27-4	Bromodichloromethane	1310	UD
78-87-5	1,2-Dichloropropane	1310	UD
10061-01-5	cis-1,3-Dichloropropene	1310	UD
79-01-6	Trichloroethene	4910	D
124-48-1	Dibromochloromethane	1310	UD
79-00-5	1,1,2-Trichloroethane	1310	UD
71-43-2	Benzene	1310	UD
10061-02-6	trans-1,3-Dichloropropene	1310	UD
75-25-2	Bromoform	1310	UD
108-10-1	4-Methyl-2-Pentanone	1310	UD
591-78-6	2-Hexanone	1310	UD
127-18-4	Tetrachloroethene	2430	D
79-34-5	1,1,2,2-Tetrachloroethane	1084	JD
108-88-3	Toluene	1310	UD
108-90-7	Chlorobenzene	1310	UD
100-41-4	Ethylbenzene	4337	D
100-42-5	Styrene	1310	UD
1330-20-7	Xylene (total)	12750	D

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T1526.D
Acq Time : 15 Oct 94 2:23 am
Sample : 1-1D05.547g/5ml 25ul
Misc : E1005-02
Quant Time: Oct 24 12:24 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Mon Oct 24 12:08:00 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.48	130	37584	5.00 ug/L	0.03
17) 1,4-Difluorobenzene	8.44	114	260038	5.00 ug/L	0.03
29) Chlorobenzene-D5	16.68	117	179862	5.00 ug/L	0.00
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-D4	7.56	65	37765	5.20 ug/L	103.91%
31) Toluene-D8	12.26	98	230856	5.13 ug/L	102.52%
41) Bromofluorobenzene-SS	20.59	95	118405	4.78 ug/L	95.68%
Target Compounds					Qvalue
7) Acetone	3.83	43	19912	1.31 ug/L	88
9) Methylene Chloride	4.28	84	485436	2.82 ug/L	92
12) cis-1,2-Dichloroethene	5.91	96	241405	14.37 ug/L	97
21) Trichloroethene	9.07	130	88145	3.76 ug/L	96
34) Tetrachloroethene	14.25	164	42048	1.86 ug/L	98
36) Ethyl Benzene	17.05	106	75268	3.32 ug/L	99
37) m & p Xylene	17.28	91	283855	4.95 ug/L	98
38) o-Xylene	18.59	91	256872	4.81 ug/L	99
40) 1,1,2,2-Tetrachloroethane	20.88	83	5865	0.83 ug/L #	21

(#) = qualifier out of range (m) = manual integration

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

2-2ADL

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) WATER Lab Sample ID: 2-2ADL

Sample wt/vol: 5.474 (g/mL) g Lab File ID: T1527

Level: (low/med) Med Date Received: 10/05/94

% Moisture: not dec. 27 Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 833X

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 30 (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1050	UD
74-83-9	Bromomethane	657	JD
75-01-4	Vinyl Chloride	1050	UD
75-00-3	Chloroethane	1050	UD
75-09-2	Methylene Chloride	3013	D
67-64-1	Acetone	1824	D
75-15-0	Carbon Disulfide	1050	UD
75-35-4	1,1-Dichloroethene	1050	UD
75-34-3	1,1-Dichloroethane	1050	UD
540-59-0	1,2-Dichloroethene (total)	3576	D
67-66-3	Chloroform	1050	UD
107-06-2	1,2-Dichloroethane	1050	UD
78-93-3	2-Butanone	1050	UD
71-55-6	1,1,1-Trichloroethane	1050	UD
56-23-5	Carbon Tetrachloride	1050	UD
75-27-4	Bromodichloromethane	1050	UD
78-87-5	1,2-Dichloropropane	1050	UD
10061-01-5	cis-1,3-Dichloropropene	1050	UD
79-01-6	Trichloroethene	21751	D
124-48-1	Dibromochloromethane	1050	UD
79-00-5	1,1,2-Trichloroethane	1050	UD
71-43-2	Benzene	1050	UD
10061-02-6	trans-1,3-Dichloropropene	1050	UD
75-25-2	Bromoform	1050	UD
108-10-1	4-Methyl-2-Pentanone	1050	UD
591-78-6	2-Hexanone	1050	UD
127-18-4	Tetrachloroethene	1050	UD
79-34-5	1,1,2,2-Tetrachloroethane	1050	UD
108-88-3	Toluene	1050	UD
108-90-7	Chlorobenzene	1050	UD
100-41-4	Ethylbenzene	1050	UD
100-42-5	Styrene	1050	UD
1330-20-7	Xylene (total)	1449	D

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T1527.D
Acq Time : 15 Oct 94 2:56 am
Sample : 2-2A 5.474g/5ml 30ul
Misc : E1005-02
Quant Time: Oct 24 12:33 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Mon Oct 24 12:08:00 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.47	130	35852	5.00 ug/L	0.03
17) 1,4-Difluorobenzene	8.43	114	244802	5.00 ug/L	0.03
29) Chlorobenzene-D5	16.67	117	169309	5.00 ug/L	0.00
System Monitoring Compounds					**%Recovery**
14) 1,2-Dichloroethane-D4	7.56	65	36991	5.33 ug/L	106.70%
31) Toluene-D8	12.26	98	220479	5.20 ug/L	104.01%
41) Bromofluorobenzene-SS	20.59	95	118136	5.06 ug/L	101.24%
Target Compounds					**Qvalue**
4) Bromomethane	3.27	94	5476	0.63 ug/L	90
7) Acetone	3.82	43	25401	1.75 ug/L	87
9) Methylene Chloride	4.28	84	474270	2.89 ug/L	92
12) cis-1,2-Dichloroethene	5.91	96	54974	3.43 ug/L	96
21) Trichloroethene	9.08	130	111997	5.07 ug/L	96
34) Tetrachloroethene	14.25	164	445022	20.86 ug/L	97
37) m & p Xylene	17.28	91	28267	0.52 ug/L	99
38) o-Xylene	18.59	91	43529	0.87 ug/L	99

(#) = qualifier out of range (m) = manual integration

T1527.D VOC05.M Mon Oct 24 12:33:54 1994

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

2-2D

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 2-2D

Sample wt/vol: 5.315 (g/mL) g Lab File ID: T1503

Level: (low/med) Low Date Received: 10/05/94

% Moisture: not dec. 23 Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.2	U
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-09-2	Methylene Chloride	9.6	B
67-64-1	Acetone	6.1	B
75-15-0	Carbon Disulfide	1.2	U
75-35-4	1,1-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1.2	U
540-59-0	1,2-Dichloroethene (total)	1.2	U
67-66-3	Chloroform	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
78-93-3	2-Butanone	6.4	
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	1.2	U
124-48-1	Dibromochloromethane	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
71-43-2	Benzene	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
75-25-2	Bromoform	1.2	U
108-10-1	4-Methyl-2-Pentanone	1.2	U
591-78-6	2-Hexanone	1.2	U
127-18-4	Tetrachloroethene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	1.8	
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
1330-20-7	Xylene (total)	1.2	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T1503.D
Acq Time : 15 Oct 94 12:04 pm
Sample : 2-2D 5.315g/5ml
Misc :
Quant Time: Oct 15 12:29 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.61	130	158704	50.00 ug/L	0.00
17) 1,4-Difluorobenzene	8.63	114	628892	50.00 ug/L	0.00
29) Chlorobenzene-d5	16.97	117	491300	50.00 ug/L	-0.02
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.73	65	195803	59.20 ug/L	118.40%
31) Toluene-d8	12.52	98	597396	58.95 ug/L	117.90%
41) Bromofluorobenzene	20.88	95	388931	48.30 ug/L	96.60%
Target Compounds					Qvalue
7) Acetone	3.85	43	53240	4.97 ug/L #	86
9) Methylene Chloride	4.35	84	150121	7.89 ug/L	92
16) 2-Butanone	6.12	43	8682	5.25 ug/L #	100
32) Toluene	12.74	91	18084	1.49 ug/L	95

(#) = qualifier out of range (m) = manual integration

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

4-4C

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 4-4C

Sample wt/vol: 5.342 (g/mL) g Lab File ID: T1504

Level: (low/med) Low Date Received: 10/05/94

% Moisture: not dec. 19 Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.2	U
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-09-2	Methylene Chloride	23	B
67-64-1	Acetone	5.0	B
75-15-0	Carbon Disulfide	1.2	U
75-35-4	1,1-Dichloroethene	1.2	U
75-34-3	1,1-Dichloroethane	1.2	U
540-59-0	1,2-Dichloroethene (total)	1.2	U
67-66-3	Chloroform	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
78-93-3	2-Butanone	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	1.2	U
124-48-1	Dibromochloromethane	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
71-43-2	Benzene	1.2	U
10061-02-6	trans-1,3-Dichloropropene	1.2	U
75-25-2	Bromoform	1.2	U
108-10-1	4-Methyl-2-Pentanone	1.2	U
591-78-6	2-Hexanone	1.2	U
127-18-4	Tetrachloroethene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	1.2	U
108-90-7	Chlorobenzene	1.2	U
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
1330-20-7	Xylene (total)	1.2	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T1504.D
Acq Time : 15 Oct 94 12:34 pm
Sample : 4-4C 5.342g/5ml
Misc :
Quant Time: Oct 15 13:07 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.62	130	177991	50.00 ug/L	0.02
17) 1,4-Difluorobenzene	8.64	114	715787	50.00 ug/L	0.02
29) Chlorobenzene-d5	16.97	117	476413	50.00 ug/L	-0.02
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.73	65	176118	47.48 ug/L	94.96%
31) Toluene-d8	12.52	98	548114	55.78 ug/L	111.56%
41) Bromofluorobenzene	20.88	95	350656	44.91 ug/L	89.82%
Target Compounds					Qvalue
7) Acetone	3.86	43	51548	4.29 ug/L	88
9) Methylene Chloride	4.34	84	430478	20.18 ug/L m	93

(#) = qualifier out of range (m) = manual integration

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) WATER Lab Sample ID: TRIP BLANK

Sample wt/vol: 25 (g/mL) mL Lab File ID: T1524

Level: (low/med) Low Date Received: 10/05/94

% Moisture: not dec. Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-09-2	Methylene Chloride	1.1	
67-64-1	Acetone	0.85	J
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
67-66-3	Chloroform	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.1	
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
1330-20-7	Xylene (total)	1.0	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T1524.D
Acq Time : 15 Oct 94 1:16 am
Sample : TRIP BLANK 1X
Misc : E1005-02
Quant Time: Oct 24 12:18 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Mon Oct 24 12:08:00 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.48	130	36723	5.00 ug/L	0.03
17) 1,4-Difluorobenzene	8.43	114	241249	5.00 ug/L	0.03
29) Chlorobenzene-D5	16.68	117	164391	5.00 ug/L	0.00

System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-D4	7.57	65	38023	5.35 ug/L	107.07%
31) Toluene-D8	12.26	98	220199	5.35 ug/L	106.99%
41) Bromofluorobenzene-SS	20.60	95	115846	5.12 ug/L	102.43%

Target Compounds					Qvalue
7) Acetone	3.83	43	12659	0.85 ug/L #	37
9) Methylene Chloride	4.29	84	191628	1.14 ug/L	94
13) Toluene	12.48	91	64508	1.09 ug/L	94

(#) = qualifier out of range (m) = manual integration
T1524.D VOC05.M Mon Oct 24 12:18:44 1994

STANDARDS DATA

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Instrument ID: 5972 Calibration Date(s): 08/30/94 08/30/94

Heated Purge:(Y/N) N Calibration Times: 1256 1628

GC Column: VOCOL ID: 0.75 (mm)

LAB FILE ID: RRF01 = R3002 RRF02 = R3003

RRF05 = R3004 RRF10 = R3005 RRF25 = R3007

COMPOUND	RRF01	RRF02	RRF05	RRF10	RRF25	$\overline{RRF}$	% RSD	
Chloromethane	1.682	1.458	1.500	1.445	1.201	1.457	11.794	
Bromomethane	1.484	1.233	1.463	1.395	1.221	1.359	9.2081	*
Vinyl Chloride	1.731	1.707	1.759	1.702	1.326	1.645	10.927	*
Chloroethane	1.184	1.138	1.223	1.319	1.083	1.189	7.5103	
Methylene Chloride	3.422	4.319	2.834	2.290	1.714	2.916	34.586	
Acetone	0.834	0.614	0.226	0.222	0.201	0.419	68.882	
Carbon Disulfide	6.691	6.034	6.176	6.634	5.567	6.220	7.4376	
1,1-Dichloroethene	2.395	2.163	2.259	2.312	1.988	2.223	7.0264	*
1,1-Dichloroethane	4.095	3.830	4.273	4.571	3.920	4.138	7.1483	*
1,2-Dichloroethene(total)	5.082	4.198	4.559	4.873	4.231	4.589	8.4801	
Chloroform	4.164	3.692	4.034	4.249	3.661	3.960	6.821	*
1,2-Dichloroethane	1.104	0.940	1.113	1.142	0.991	1.058	8.2683	*
2-Butanone	0.382	0.272	0.215	0.204	0.115	0.238	41.401	
1,1,1-Trichloroethane	0.566	0.512	0.574	0.600	0.525	0.555	6.5262	*
Carbon Tetrachloride	0.486	0.448	0.502	0.535	0.469	0.488	6.7732	*
Bromodichloromethane	0.343	0.283	0.338	0.341	0.303	0.322	8.4289	*
1,2-Dichloropropane	0.264	0.223	0.261	0.264	0.240	0.250	7.3128	
cis-1,3-Dichloropropene	0.278	0.230	0.279	0.283	0.305	0.275	9.9818	*
Trichloroethene	0.395	0.353	0.406	0.419	0.371	0.389	6.8591	*
Dibromochloromethane	0.173	0.147	0.183	0.187	0.163	0.171	9.4662	*
1,1,2-Trichloroethane	0.120	0.094	0.117	0.117	0.103	0.110	10.174	*
Benzene	0.949	0.785	0.862	0.876	0.770	0.848	8.5877	*
trans-1,3-Dichloropropene	0.153	0.127	0.161	0.163	0.173	0.155	11.198	*
Bromoform	0.087	0.072	0.093	0.094	0.085	0.086	10.226	*
4-Methyl-2-Pentanone	0.089	0.074	0.082	0.086	0.078	0.082	7.3553	
2-Hexanone	0.063	0.056	0.064	0.076	0.057	0.063	12.629	
Tetrachloroethene	0.592	0.549	0.595	0.642	0.548	0.585	6.6528	*
1,1,2,2-Tetrachloroethane	0.196	0.157	0.183	0.191	0.167	0.179	9.1764	*
Toluene	1.688	1.545	1.637	1.689	1.484	1.609	5.6589	*
Chlorobenzene	1.044	0.901	0.984	1.017	0.904	0.970	6.7204	*
Ethylbenzene	0.582	0.521	0.581	0.618	0.542	0.569	6.6638	*
Styrene	0.567	0.511	0.571	0.593	0.538	0.556	5.7329	*
Xylene (total)	2.903	2.903	2.880	3.061	2.678	2.885	4.7304	*
Toluene-d8	1.550	1.420	1.386	1.556	1.380	1.458	6.0148	
Bromofluorobenzene	0.892	0.726	0.722	0.791	0.721	0.770	9.6188	*
1,2-Dichloroethane-d4	0.991	0.923	0.924	0.989	0.891	0.944	4.7047	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3002.D
Acq Time : 30 Aug 94 12:56 pm
Sample : POINT 1 1 ug/L
Misc :
Quant Time: Aug 31 12:59 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.25	130	56599	5.00 ug/L	0.00
17) 1,4-Difluorobenzene	8.20	114	432032	5.00 ug/L	0.00
29) Chlorobenzene-d5	16.55	117	268897	5.00 ug/L	0.00
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.34	65	11221	1.01 ug/L	20.21%
31) Toluene-d8	12.01	98	83335	1.02 ug/L	20.41%
41) Bromofluorobenzene	20.60	95	47955	1.11 ug/L	22.12%
Target Compounds					Qvalue
2) Chloromethane	2.86	50	19042	1.14 ug/L m	100
3) Vinyl Chloride	2.90	62	19596	1.04 ug/L m	97
4) Bromomethane	3.15	94	16801	1.06 ug/L m	89
5) Chloroethane	3.19	64	13402	0.97 ug/L m	42
6) 1,1-Dichloroethene	3.73	96	27110	1.05 ug/L m	96
7) Acetone	3.67	43	9441	2.29 ug/L m	94
8) Carbon Disulfide	4.12	76	75745	1.05 ug/L m	98
9) Methylene Chloride	4.13	84	38731	1.24 ug/L m	98
10) trans-1,2-Dichloroethene	4.39	96	31576	1.12 ug/L m	91
11) 1,1-Dichloroethane	4.87	63	46351	0.95 ug/L m	98
12) cis-1,2-Dichloroethene	5.70	96	25956	1.00 ug/L m	91
13) Chloroform	5.95	83	47132	1.02 ug/L m	97
15) 1,2-Dichloroethane	7.53	62	12492	1.00 ug/L m	52
16) 2-Butanone	5.52	43	4321	1.47 ug/L m	100
18) 1,1,1-Trichloroethane	6.62	97	48932	0.97 ug/L m	38
19) Carbon Tetrachloride	7.06	117	41984	0.95 ug/L m	28
20) Benzene	7.48	78	81997	1.07 ug/L m	55
21) Trichloroethene	8.84	130	34129	0.97 ug/L m	5
22) 1,2-Dichloropropane	9.33	63	22854	1.00 ug/L m	93
23) Bromodichloromethane	9.92	83	29655	1.00 ug/L m	95
24) cis-1,3-Dichloropropene	11.51	75	25006	0.98 ug/L m	97
25) trans-1,3-Dichloropropene	13.04	75	12702	0.94 ug/L m	43
26) 1,1,2-Trichloroethane	13.43	97	10345	1.00 ug/L m	66
27) Dibromochloromethane	14.78	129	14911	0.93 ug/L m	82
28) Bromoform	19.67	173	7528	0.92 ug/L m	34
30) 4-Methyl-2-Pentanone	11.09	43	4760	1.03 ug/L m	0
32) Toluene	12.22	91	90792	1.01 ug/L	97
33) 2-Hexanone	13.76	43	3388	0.94 ug/L m	0
34) Tetrachloroethene	14.02	164	31862	0.97 ug/L #	1
35) Chlorobenzene	16.66	112	56141	1.03 ug/L	96
36) Ethyl Benzene	16.93	106	31319	0.98 ug/L	94
37) m & p Xylene	17.17	91	162588	1.95 ug/L #	29
38) o-Xylene	18.54	91	74831	0.98 ug/L	98
39) Styrene	18.73	104	30514	0.97 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3002.D
Acq Time : 30 Aug 94 12:56 pm
Sample : POINT 1 1 ug/L
Misc :
Quant Time: Aug 31 12:59 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.59	83	10521	1.02 ug/L #	21

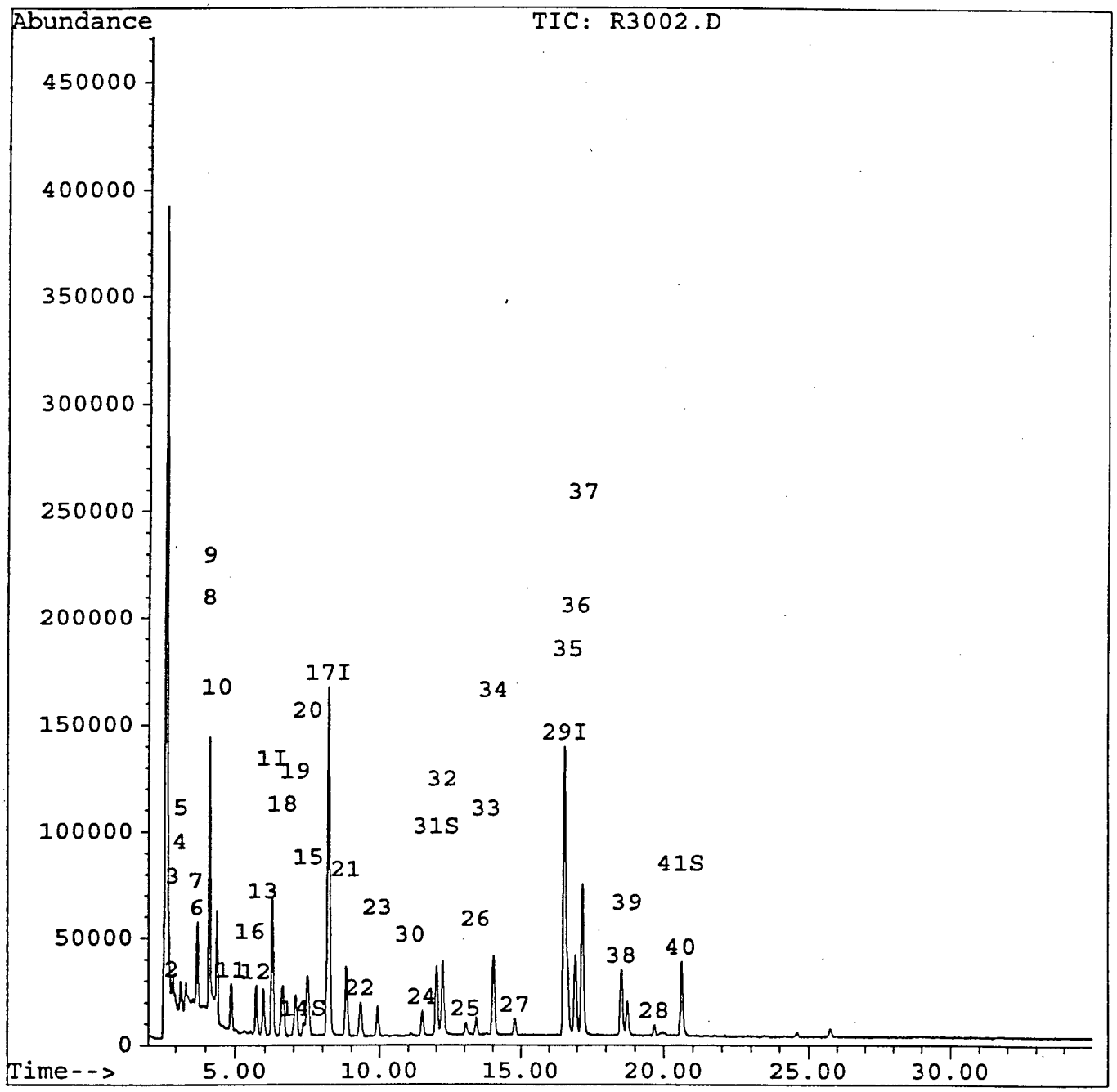
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3002.D
Acq Time : 30 Aug 94 12:56 pm
Sample : POINT 1 1 ug/L
Misc :
Quant Time: Aug 31 12:59 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration



0151

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3003.D
Acq Time : 30 Aug 94 1:39 pm
Sample : POINT 2 2 ug/L
Misc :
Quant Time: Aug 31 13:01 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Wed Oct 19 16:47:14 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.22	130	50478	5.00 ug/L	-0.03
17) 1,4-Difluorobenzene	8.18	114	407039	5.00 ug/L	-0.02
29) Chlorobenzene-d5	16.52	117	245766	5.00 ug/L	-0.03
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.31	65	18646	1.86 ug/L	37.26%
31) Toluene-d8	11.99	98	139564	1.83 ug/L	36.65%
41) Bromofluorobenzene	20.60	95	71414	1.63 ug/L	32.59%
Target Compounds					Qvalue
2) Chloromethane	2.84	50	29442	1.73 ug/L	95
3) Vinyl Chloride	2.88	62	34465	1.97 ug/L	97
4) Bromomethane	3.13	94	24902	1.66 ug/L	89
5) Chloroethane	3.17	64	22981	1.92 ug/L	99
6) 1,1-Dichloroethene	3.71	96	43675	1.81 ug/L	99
7) Acetone	3.65	43	12400	0.52 ug/L #	37
8) Carbon Disulfide	4.10	76	121835	1.80 ug/L	99
9) Methylene Chloride	4.10	84	87199	1.32 ug/L	98
10) trans-1,2-Dichloroethene	4.36	96	45044	1.60 ug/L	94
11) 1,1-Dichloroethane	4.84	63	77337	1.87 ug/L	99
12) cis-1,2-Dichloroethene	5.68	96	39707	1.54 ug/L	96
13) Chloroform	5.92	83	74550	1.77 ug/L	95
15) 1,2-Dichloroethane	7.50	62	18980	1.70 ug/L #	90
16) 2-Butanone	5.48	43	5502	0.95 ug/L #	100
18) 1,1,1-Trichloroethane	6.58	97	83314	1.81 ug/L m	36
19) Carbon Tetrachloride	7.05	117	72911	1.84 ug/L m	28
20) Benzene	7.45	78	127774	1.65 ug/L m	94
21) Trichloroethene	8.80	130	57477	1.79 ug/L m	62
22) 1,2-Dichloropropane	9.30	63	36335	1.69 ug/L m	93
23) Bromodichloromethane	9.89	83	46022	1.65 ug/L m	93
24) cis-1,3-Dichloropropene	11.49	75	39022	1.66 ug/L m	40
25) trans-1,3-Dichloropropene	13.03	75	19825	1.66 ug/L m	97
26) 1,1,2-Trichloroethane	13.40	97	15310	1.57 ug/L m	90
27) Dibromochloromethane	14.76	129	23998	1.71 ug/L m	94
28) Bromoform	19.67	173	11682	1.65 ug/L m	91
30) 4-Methyl-2-Pentanone	11.09	43	7291	1.68 ug/L m	39
32) Toluene	12.21	91	151889	1.83 ug/L	97
33) 2-Hexanone	13.72	43	5490	1.77 ug/L #	30
34) Tetrachloroethene	14.01	164	54016	1.85 ug/L	95
35) Chlorobenzene	16.64	112	88591	1.73 ug/L	99
36) Ethyl Benzene	16.91	106	51225	1.79 ug/L	93
37) m & p Xylene	17.16	91	272856	1.84 ug/L	98
38) o-Xylene	18.53	91	121720	1.78 ug/L	98
39) Styrene	18.72	104	50195	1.80 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3003.D
Acq Time : 30 Aug 94 1:39 pm
Sample : POINT 2 2 ug/L
Misc :
Quant Time: Aug 31 13:01 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Wed Oct 19 16:47:14 1994
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.60	83	15455	1.61 ug/L	95

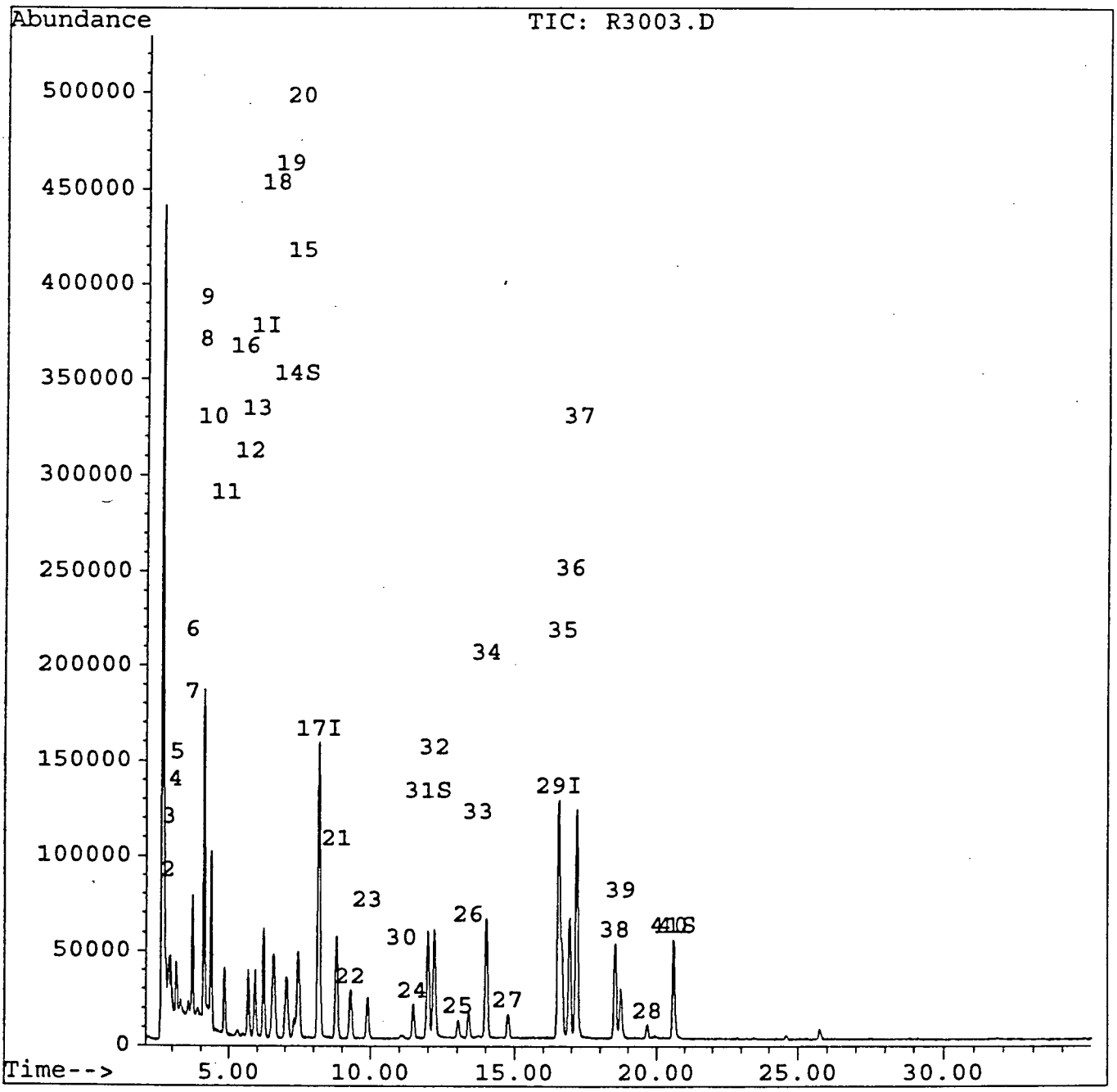
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3003.D
Acq Time : 30 Aug 94 1:39 pm
Sample : POINT 2 2 ug/L
Misc :
Quant Time: Aug 31 13:01 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Wed Oct 19 16:47:14 1994
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3004.D
Acq Time : 30 Aug 94 2:22 pm
Sample : POINT 3 5 ug/L
Misc :
Quant Time: Aug 31 10:13 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.23	130	48854	5.00 ug/L	-0.02
17) 1,4-Difluorobenzene	8.18	114	379244	5.00 ug/L	-0.02
29) Chlorobenzene-d5	16.54	117	236005	5.00 ug/L	-0.01
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.30	65	45152	4.83 ug/L	96.54%
31) Toluene-d8	11.99	98	327127	4.67 ug/L	93.36%
41) Bromofluorobenzene	20.59	95	170279	4.46 ug/L	89.18%
Target Compounds					Qvalue
2) Chloromethane	2.83	50	73279	4.78 ug/L	92
3) Vinyl Chloride	2.87	62	85935	5.12 ug/L	100
4) Bromomethane	3.12	94	71455	5.38 ug/L	98
5) Chloroethane	3.16	64	59758	5.27 ug/L	95
6) 1,1-Dichloroethene	3.70	96	110375	4.96 ug/L	96
7) Acetone	3.65	43	11030	0.76 ug/L #	37
8) Carbon Disulfide	4.10	76	301718	4.85 ug/L	99
9) Methylene Chloride	4.10	84	138444	2.61 ug/L	98
10) trans-1,2-Dichloroethene	4.36	96	116717	4.76 ug/L	93
11) 1,1-Dichloroethane	4.84	63	208753	5.39 ug/L	99
12) cis-1,2-Dichloroethene	5.68	96	106019	4.79 ug/L	93
13) Chloroform	5.92	83	197056	5.13 ug/L	95
15) 1,2-Dichloroethane	7.51	62	54359	5.44 ug/L #	58
16) 2-Butanone	5.49	43	10503	2.53 ug/L #	100
18) 1,1,1-Trichloroethane	6.58	97	217584	5.32 ug/L	97
19) Carbon Tetrachloride	7.03	117	190482	5.37 ug/L #	13
20) Benzene	7.45	78	326828	4.97 ug/L	95
21) Trichloroethene	8.81	130	153875	5.42 ug/L	97
22) 1,2-Dichloropropane	9.31	63	98985	5.35 ug/L #	91
23) Bromodichloromethane	9.90	83	128099	5.39 ug/L	95
24) cis-1,3-Dichloropropene	11.48	75	110079	5.48 ug/L	96
25) trans-1,3-Dichloropropene	13.03	75	58481	5.73 ug/L	98
26) 1,1,2-Trichloroethane	13.40	97	44210	5.32 ug/L #	85
27) Dibromochloromethane	14.77	129	69550	5.73 ug/L	93
28) Bromoform	19.67	173	35133	5.82 ug/L #	90
30) 4-Methyl-2-Pentanone	11.07	43	19333	5.11 ug/L #	39
32) Toluene	12.20	91	386414	5.06 ug/L	96
33) 2-Hexanone	13.72	43	14998	5.35 ug/L	93
34) Tetrachloroethene	14.01	164	140500	5.21 ug/L	95
35) Chlorobenzene	16.63	112	232220	5.06 ug/L	99
36) Ethyl Benzene	16.92	106	137135	5.27 ug/L	95
37) m & p Xylene	17.17	91	711671	5.20 ug/L	99
38) o-Xylene	18.53	91	323690	5.22 ug/L	99
39) Styrene	18.73	104	134821	5.30 ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3004.D
Acq Time : 30 Aug 94 2:22 pm
Sample : POINT 3 5 ug/L
Misc :
Quant Time: Aug 31 10:13 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.60	83	43253	5.19 ug/L	95

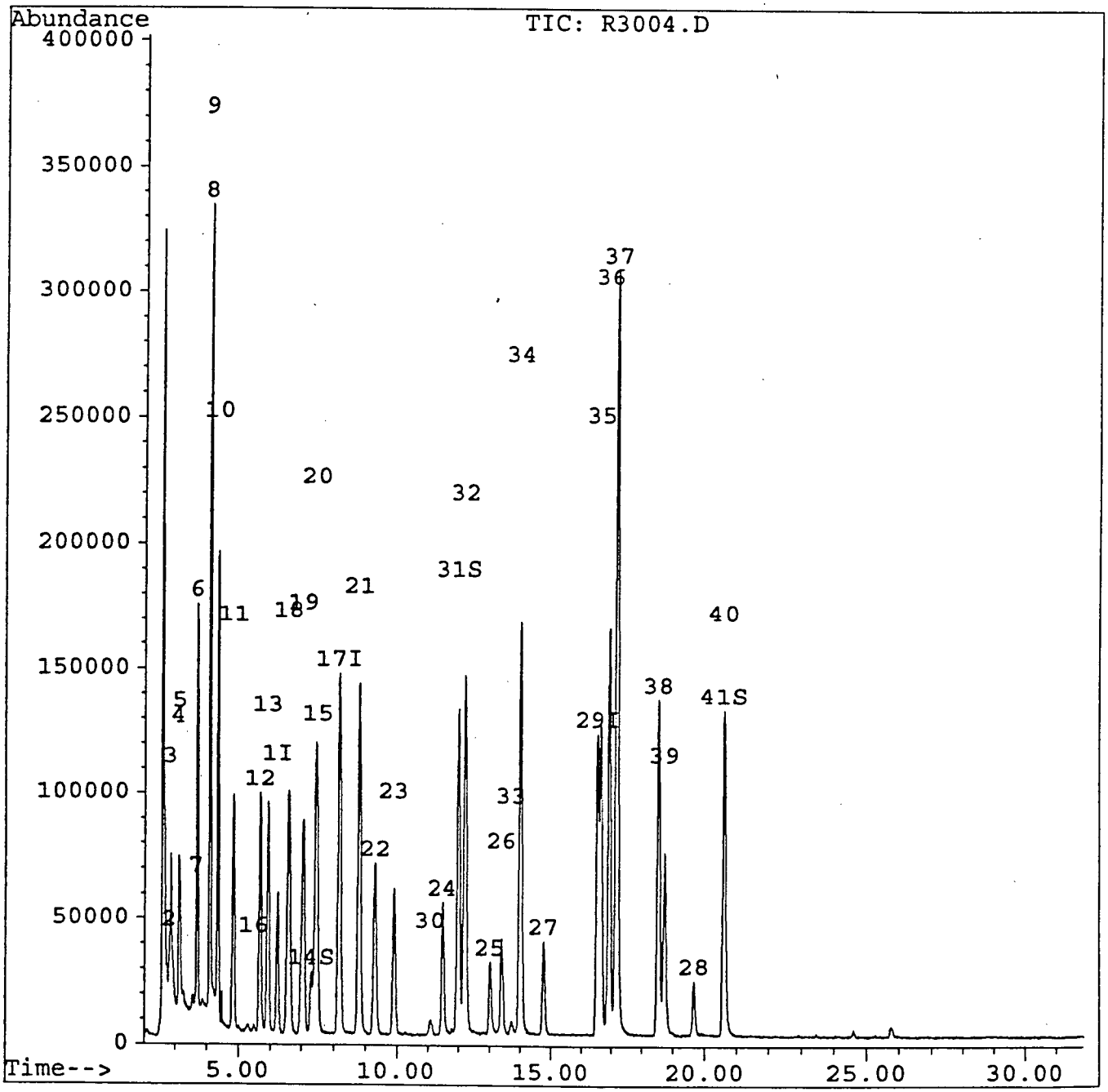
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3004.D
Acq Time : 30 Aug 94 2:22 pm
Sample : POINT 3 5 ug/L
Misc :
Quant Time: Aug 31 10:13 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3005.D
Acq Time : 30 Aug 94 3:02 pm
Sample : POINT 4 10 ug/L
Misc :
Quant Time: Aug 31 10:14 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.25	130	49471	5.00 ug/L	0.00
17) 1,4-Difluorobenzene	8.20	114	396408	5.00 ug/L	0.00
29) Chlorobenzene-d5	16.53	117	241368	5.00 ug/L	-0.02
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.32	65	97862	10.45 ug/L	209.04%
31) Toluene-d8	12.00	98	751132	10.72 ug/L	214.36%
41) Bromofluorobenzene	20.60	95	381803	10.14 ug/L	202.83%
Target Compounds					Qvalue
2) Chloromethane	2.86	50	142970	9.34 ug/L	91
3) Vinyl Chloride	2.89	62	168413	9.83 ug/L	98
4) Bromomethane	3.14	94	138049	10.01 ug/L	95
5) Chloroethane	3.18	64	130526	11.16 ug/L	98
6) 1,1-Dichloroethene	3.72	96	228797	10.18 ug/L	89
7) Acetone	3.67	43	21932	2.07 ug/L	91
8) Carbon Disulfide	4.11	76	656406	10.53 ug/L	99
9) Methylene Chloride	4.12	84	226548	5.02 ug/L	97
10) trans-1,2-Dichloroethene	4.37	96	252079	10.32 ug/L	91
11) 1,1-Dichloroethane	4.86	63	452280	11.24 ug/L	98
12) cis-1,2-Dichloroethene	5.70	96	230055	10.42 ug/L	95
13) Chloroform	5.94	83	420375	10.72 ug/L	96
15) 1,2-Dichloroethane	7.53	62	112946	10.85 ug/L	98
16) 2-Butanone	5.51	43	20220	5.76 ug/L #	100
18) 1,1,1-Trichloroethane	6.60	97	475942	10.90 ug/L	97
19) Carbon Tetrachloride	7.04	117	424525	11.18 ug/L	95
20) Benzene	7.46	78	694466	10.12 ug/L	95
21) Trichloroethene	8.81	130	332233	10.89 ug/L	96
22) 1,2-Dichloropropane	9.32	63	209137	10.56 ug/L #	92
23) Bromodichloromethane	9.91	83	270723	10.62 ug/L	96
24) cis-1,3-Dichloropropene	11.49	75	233560	10.78 ug/L	96
25) trans-1,3-Dichloropropene	13.03	75	124142	11.10 ug/L	98
26) 1,1,2-Trichloroethane	13.40	97	92548	10.43 ug/L #	87
27) Dibromochloromethane	14.77	129	148251	11.14 ug/L	93
28) Bromoform	19.67	173	74490	11.20 ug/L #	87
30) 4-Methyl-2-Pentanone	11.09	43	41501	10.64 ug/L #	39
32) Toluene	12.21	91	815323	10.40 ug/L	98
33) 2-Hexanone	13.69	43	36616	12.48 ug/L	90
34) Tetrachloroethene	14.02	164	309770	11.08 ug/L	95
35) Chlorobenzene	16.64	112	490942	10.42 ug/L	98
36) Ethyl Benzene	16.92	106	298426	11.01 ug/L	95
37) m & p Xylene	17.17	91	1551143	10.94 ug/L	99
38) o-Xylene	18.54	91	702054	10.90 ug/L	99
39) Styrene	18.73	104	286319	10.79 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3005.D
Acq Time : 30 Aug 94 3:02 pm
Sample : POINT 4 10 ug/L
Misc :
Quant Time: Aug 31 10:14 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.60	83	92331	10.70 ug/L	94

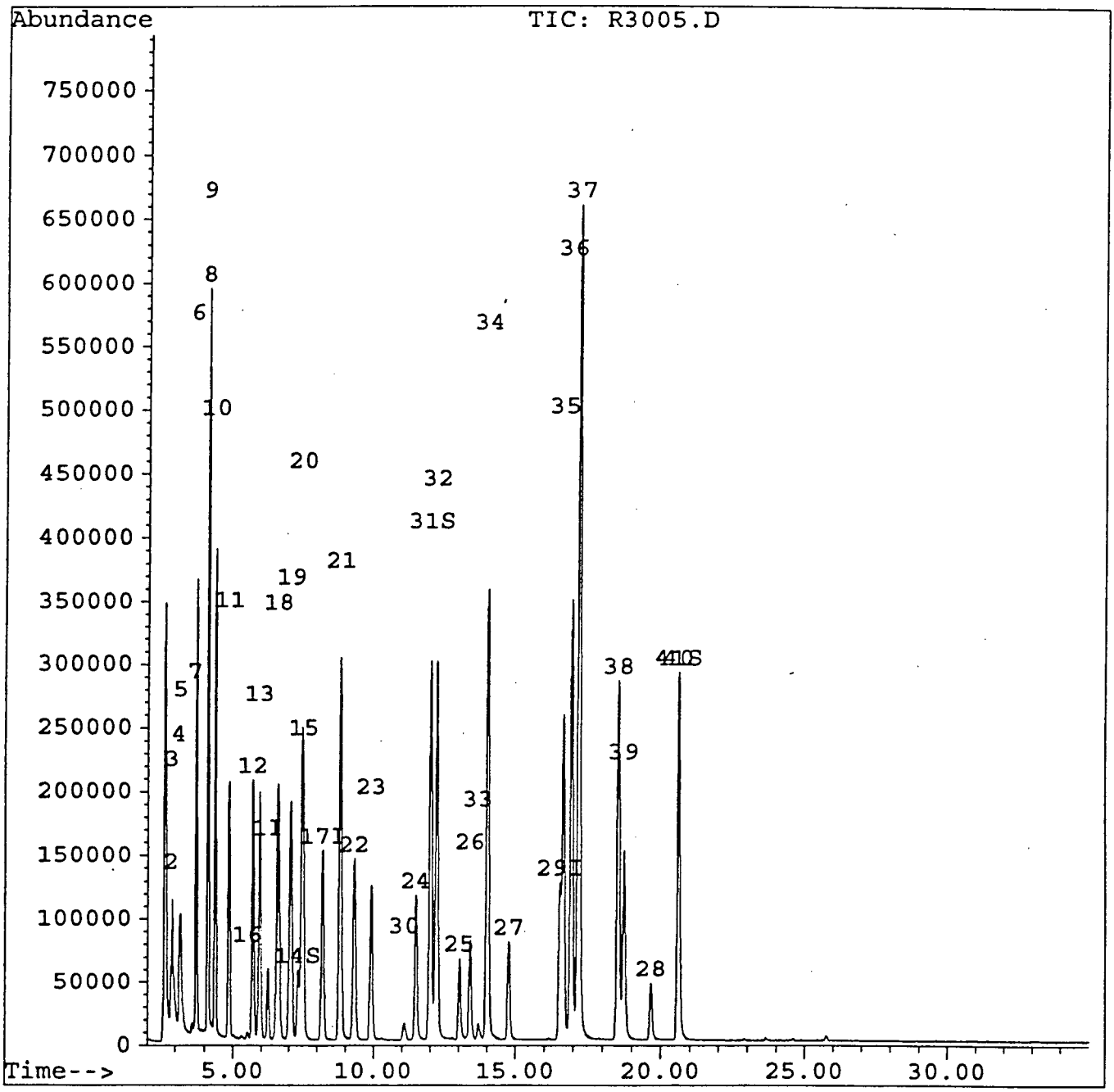
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3005.D
Acq Time : 30 Aug 94 3:02 pm
Sample : POINT 4 10 ug/L
Misc :
Quant Time: Aug 31 10:14 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3007.D
Acq Time : 30 Aug 94 4:28 pm
Sample : POINT 6 25 ug/L
Misc :
Quant Time: Aug 31 13:12 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.23	130	42155	5.00 ug/L	-0.02
17) 1,4-Difluorobenzene	8.19	114	303328	5.00 ug/L	-0.01
29) Chlorobenzene-d5	16.53	117	191703	5.00 ug/L	-0.02
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.31	65	199162	23.90 ug/L	477.97%
31) Toluene-d8	11.99	98	1413415	24.14 ug/L	482.77%
41) Bromofluorobenzene	20.60	95	771400	24.95 ug/L	499.00%
Target Compounds					Qvalue
2) Chloromethane	2.84	50	269005	21.03 ug/L	90
3) Vinyl Chloride	2.88	62	300709	20.84 ug/L	98
4) Bromomethane	3.13	94	269699	22.52 ug/L	97
5) Chloroethane	3.17	64	230758	22.01 ug/L	98
6) 1,1-Dichloroethene	3.71	96	426821	21.79 ug/L	92
7) Acetone	3.66	43	39509	6.46 ug/L m	90
8) Carbon Disulfide	4.10	76	1196377	21.83 ug/L	98
9) Methylene Chloride	4.11	84	352123	11.55 ug/L m	96
10) trans-1,2-Dichloroethene	4.36	96	475851	22.19 ug/L	93
11) 1,1-Dichloroethane	4.85	63	871719	23.86 ug/L	98
12) cis-1,2-Dichloroethene	5.69	96	454191	23.32 ug/L	95
13) Chloroform	5.93	83	821402	23.52 ug/L	95
15) 1,2-Dichloroethane	7.51	62	233718	25.03 ug/L	98
16) 2-Butanone	5.49	43	30064	12.63 ug/L #	100
18) 1,1,1-Trichloroethane	6.59	97	879992	24.92 ug/L	97
19) Carbon Tetrachloride	7.05	117	786729	25.33 ug/L	95
20) Benzene	7.45	78	1328390	24.67 ug/L	95
21) Trichloroethene	8.81	130	630081	25.49 ug/L	97
22) 1,2-Dichloropropane	9.30	63	425555	26.71 ug/L #	93
23) Bromodichloromethane	9.91	83	562037	27.28 ug/L	95
24) cis-1,3-Dichloropropene	11.48	75	454774	25.77 ug/L m	96
25) trans-1,3-Dichloropropene	13.02	75	265253	28.66 ug/L	98
26) 1,1,2-Trichloroethane	13.40	97	196824	27.63 ug/L #	86
27) Dibromochloromethane	14.76	129	284788	25.84 ug/L m	93
28) Bromoform	19.67	173	159690	28.78 ug/L m	87
30) 4-Methyl-2-Pentanone	11.07	43	87276	26.73 ug/L #	95
32) Toluene	12.20	91	1566046	24.27 ug/L	98
33) 2-Hexanone	13.67	43	65389	25.53 ug/L #	30
34) Tetrachloroethene	14.01	164	571753	24.33 ug/L	95
35) Chlorobenzene	16.65	112	981980	25.23 ug/L	97
36) Ethyl Benzene	16.92	106	574422	25.13 ug/L	95
37) m & p Xylene	17.17	91	2980398	25.02 ug/L	99
38) o-Xylene	18.54	91	1375611	25.45 ug/L	99
39) Styrene	18.73	104	586406	26.24 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3007.D
Acq Time : 30 Aug 94 4:28 pm
Sample : POINT 6 25 ug/L
Misc :
Quant Time: Aug 31 13:12 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.60	83	197816	27.33 ug/L	93

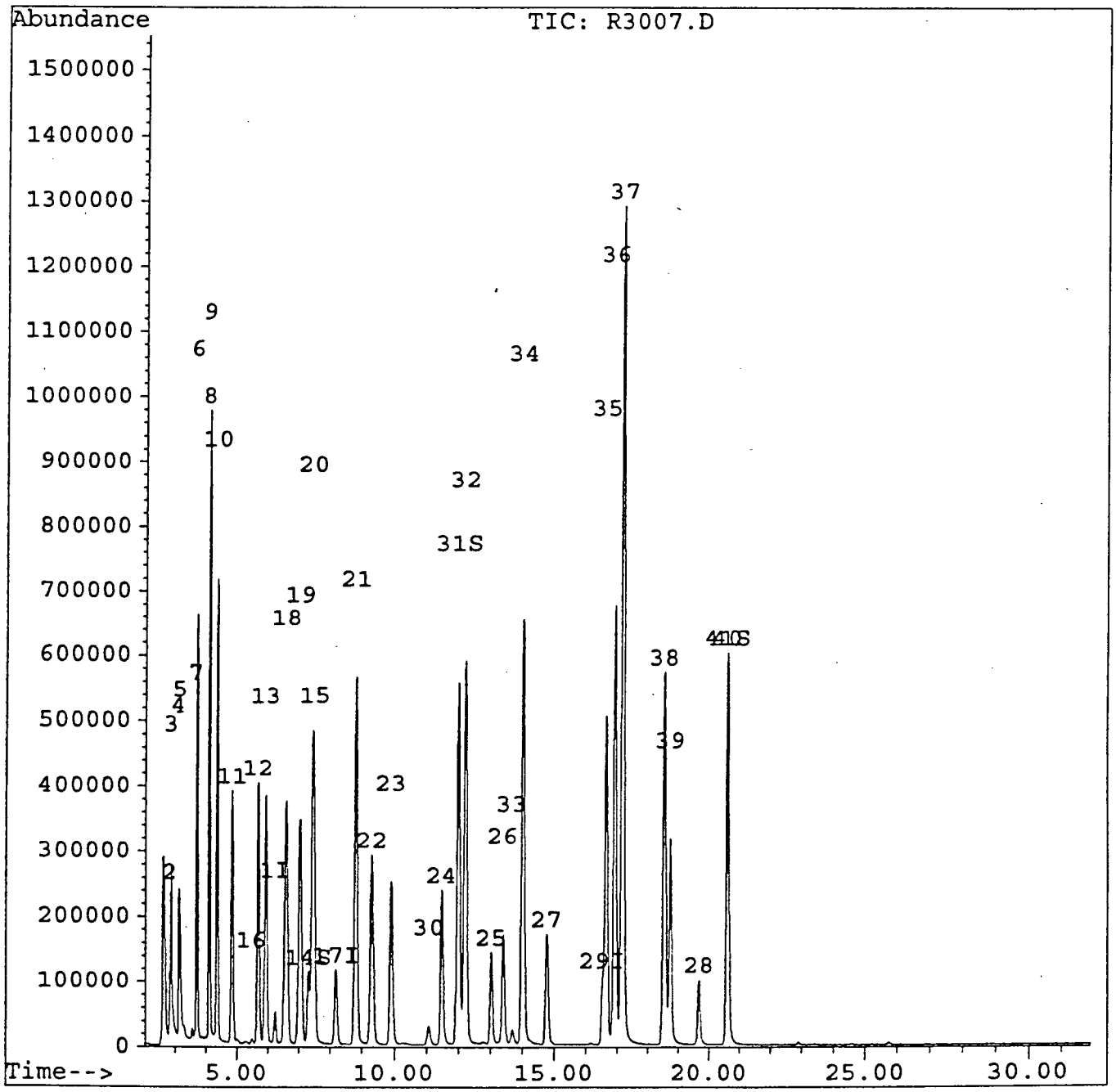
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3007.D
Acq Time : 30 Aug 94 4:28 pm
Sample : POINT 6 25 ug/L
Misc :
Quant Time: Aug 31 13:12 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration



6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 SDG No.: NETL18-1

Instrument ID: 5972 Calibration Date(s): 08/31/94 08/31/94

Heated Purge:(Y/N) Y Calibration Times: 1407 1706

GC Column: VOCOL ID: 0.75 (mm)

LAB FILE ID: RRF05 = R3102 RRF10 = R3103

RRF50 = R3104 RRF75 = R3105 RRF100 = R3106

COMPOUND		RRF05	RRF10	RRF50	RRF75	RRF100	$\overline{RRF}$	% RSD	
Chloromethane		0.664	0.448	0.444	0.478	0.502	0.507	17.898	
Bromomethane	*	0.455	0.411	0.336	0.386	0.308	0.379	15.455	*
Vinyl Chloride	*	0.593	0.477	0.449	0.505	0.532	0.511	10.804	*
Chloroethane		0.458	0.394	0.421	0.371	0.292	0.387	16.091	
Methylene Chloride		3.603	1.501	1.766	1.247	2.014	2.026	45.749	
Acetone		1.528	0.552	0.530	0.314	0.542	0.693	68.811	
Carbon Disulfide		2.369	2.185	2.336	2.575	2.653	2.424	7.8051	
1,1-Dichloroethene	*	0.937	0.784	0.832	0.895	0.919	0.873	7.3082	*
1,1-Dichloroethane	*	1.892	1.755	1.893	2.081	2.179	1.960	8.6034	*
1,2-Dichloroethene(total)		2.119	1.922	2.088	2.275	2.359	2.153	7.9132	
Chloroform	*	2.052	1.858	2.017	2.192	2.288	2.081	7.9613	*
1,2-Dichloroethane	*	1.138	1.065	1.115	1.202	1.253	1.155	6.3941	*
2-Butanone		0.522	0.477	0.527	0.429	0.460	0.483	8.6226	
1,1,1-Trichloroethane	*	0.478	0.441	0.469	0.512	0.530	0.486	7.2675	*
Carbon Tetrachloride	*	0.418	0.393	0.426	0.458	0.475	0.434	7.5177	*
Bromodichloromethane	*	0.490	0.470	0.503	0.545	0.565	0.515	7.6464	*
1,2-Dichloropropane		0.330	0.310	0.326	0.356	0.367	0.338	6.8741	
cis-1,3-Dichloropropene	*	0.467	0.442	0.471	0.512	0.530	0.484	7.3867	*
Trichloroethene	*	0.348	0.344	0.346	0.376	0.390	0.361	5.7953	*
Dibromochloromethane	*	0.402	0.409	0.432	0.468	0.483	0.439	8.1333	*
1,1,2-Trichloroethane	*	0.307	0.298	0.308	0.328	0.335	0.315	4.9425	*
Benzene	*	0.829	0.725	0.768	0.830	0.861	0.803	6.8463	*
trans-1,3-Dichloropropene	*	0.335	0.322	0.344	0.371	0.385	0.351	7.3951	*
Bromoform	*	0.326	0.337	0.353	0.375	0.382	0.355	6.7582	*
4-Methyl-2-Pentanone		0.485	0.472	0.518	0.482	0.480	0.487	3.646	
2-Hexanone		0.317	0.315	0.423	0.304	0.315	0.335	14.806	
Tetrachloroethene	*	0.396	0.363	0.394	0.422	0.440	0.403	7.298	*
1,1,2,2-Tetrachloroethane	*	0.659	0.599	0.688	0.695	0.698	0.668	6.2062	*
Toluene	*	1.208	1.087	1.159	1.265	1.316	1.207	7.4045	*
Chlorobenzene	*	0.884	0.803	0.864	0.943	0.977	0.894	7.6199	*
Ethylbenzene	*	0.415	0.376	0.408	0.450	0.463	0.422	8.2225	*
Styrene	*	0.536	0.524	0.553	0.609	0.632	0.571	8.2744	*
Xylene (total)	*	1.028	0.945	1.012	1.100	1.148	1.047	7.5536	*
Toluene-d8		1.320	1.254	1.291	1.245	1.277	1.277	2.3476	
Bromofluorobenzene	*	1.121	0.995	1.020	0.980	0.991	1.021	5.6364	*
1,2-Dichloroethane-d4		1.235	1.145	1.172	1.120	1.147	1.164	3.7677	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3102.D
Acq Time : 31 Aug 94 2:07 pm
Sample : POINT 1 5ug/L
Misc :
Quant Time: Sep 1 9:42 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.23	130	267173	50.00 ug/L	0.01
17) 1,4-Difluorobenzene	8.18	114	1007276	50.00 ug/L	0.01
29) Chlorobenzene-d5	16.54	117	768707	50.00 ug/L	0.01
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.32	65	33004	5.30 ug/L	10.59%
31) Toluene-d8	12.00	98	101725	5.18 ug/L	10.35%
41) Bromofluorobenzene	20.60	95	86153	5.49 ug/L	10.97%
Target Compounds					Qvalue
2) Chloromethane	2.84	50	17742	7.14 ug/L #	45
3) Vinyl Chloride	2.87	62	15852	5.79 ug/L	98
4) Bromomethane	3.13	94	12161	6.17 ug/L	80
5) Chloroethane	3.16	64	12225	6.06 ug/L #	42
6) 1,1-Dichloroethene	3.70	96	25039	5.35 ug/L	97
7) Acetone	3.65	43	40833	10.44 ug/L m	95
8) Carbon Disulfide	4.10	76	63305	4.87 ug/L	95
9) Methylene Chloride	4.11	84	96274	9.71 ug/L m	96
10) trans-1,2-Dichloroethene	4.36	96	27020	5.00 ug/L	95
11) 1,1-Dichloroethane	4.84	63	50549	4.82 ug/L #	55
12) cis-1,2-Dichloroethene	5.69	96	29597	4.83 ug/L	92
13) Chloroform	5.93	83	54827	4.92 ug/L	97
15) 1,2-Dichloroethane	7.52	62	30411	4.92 ug/L #	87
16) 2-Butanone	5.49	43	13934	5.39 ug/L #	100
18) 1,1,1-Trichloroethane	6.57	97	48136	4.92 ug/L #	95
19) Carbon Tetrachloride	7.05	117	42095	4.82 ug/L	96
20) Benzene	7.45	78	83473	5.16 ug/L	93
21) Trichloroethene	8.81	130	35054	4.82 ug/L #	38
22) 1,2-Dichloropropane	9.31	63	33287	4.89 ug/L #	91
23) Bromodichloromethane	9.91	83	49322	4.76 ug/L	94
24) cis-1,3-Dichloropropene	11.50	75	47089	4.83 ug/L #	40
25) trans-1,3-Dichloropropene	13.04	75	33733	4.77 ug/L	96
26) 1,1,2-Trichloroethane	13.42	97	30942	4.87 ug/L	88
27) Dibromochloromethane	14.77	129	40526	4.59 ug/L	95
28) Bromoform	19.67	173	32828	4.60 ug/L #	90
30) 4-Methyl-2-Pentanone	11.08	43	37304	4.98 ug/L #	39
32) Toluene	12.20	91	92836	5.00 ug/L	97
33) 2-Hexanone	13.73	43	24368	4.74 ug/L #	30
34) Tetrachloroethene	14.02	164	30431	4.91 ug/L	94
35) Chlorobenzene	16.66	112	67936	4.94 ug/L	92
36) Ethyl Benzene	16.93	106	31884	4.91 ug/L	97
37) m & p Xylene	17.18	106	81173	4.74 ug/L m	97
38) o-Xylene	18.54	106	38419	2.20 ug/L #	51
39) Styrene	18.74	104	41226	4.70 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3102.D
Acq Time : 31 Aug 94 2:07 pm
Sample : POINT 1 5ug/L
Misc :
Quant Time: Sep 1 9:42 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.61	83	50624	4.93 ug/L	92

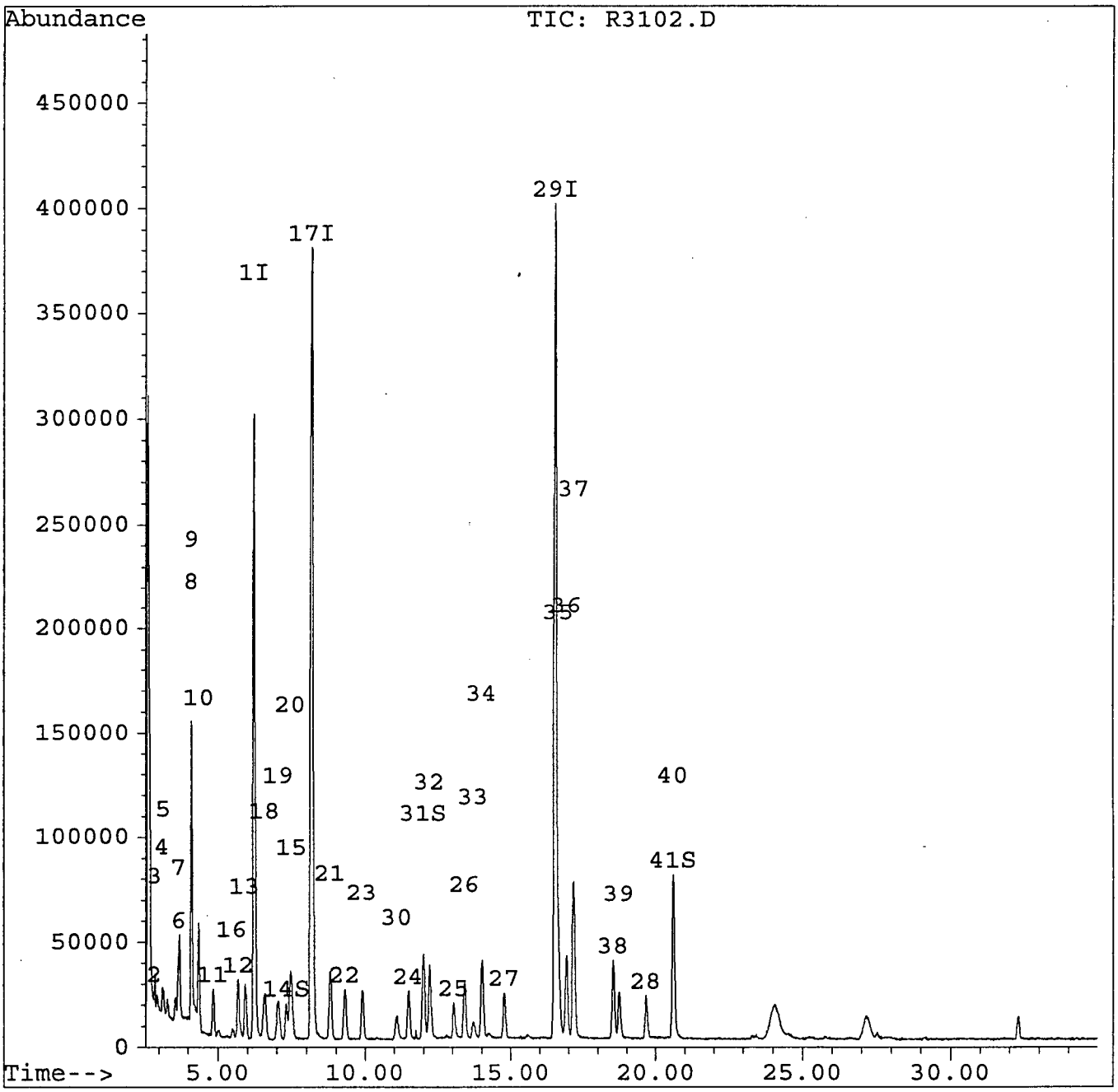
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3102.D
Acq Time : 31 Aug 94 2:07 pm
Sample : POINT 1 5ug/L
Misc :
Quant Time: Sep 1 9:42 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3103.D
Acq Time : 31 Aug 94 2:49 pm
Sample : POINT 2 25ug/L
Misc :
Quant Time: Sep 1 9:43 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	6.20	130	274848	50.00	ug/L		-0.03
17) 1,4-Difluorobenzene	8.16	114	1018541	50.00	ug/L		-0.02
29) Chlorobenzene-d5	16.52	117	786327	50.00	ug/L		-0.01
System Monitoring Compounds							**%Recovery**
14) 1,2-Dichloroethane-d4	7.28	65	157405	24.60	ug/L		49.20%
31) Toluene-d8	11.98	98	493220	24.53	ug/L		49.07%
41) Bromofluorobenzene	20.60	95	391127	24.35	ug/L		48.71%
Target Compounds							**Qvalue**
2) Chloromethane	2.80	50	61584	22.09	ug/L		94
3) Vinyl Chloride	2.83	62	65524	23.31	ug/L		100
4) Bromomethane	3.06	94	56529	27.13	ug/L		91
5) Chloroethane	3.11	64	54146	25.38	ug/L		92
6) 1,1-Dichloroethene	3.66	96	107679	22.43	ug/L		91
7) Acetone	3.62	43	75816	19.48	ug/L		96
8) Carbon Disulfide	4.06	76	300280	22.52	ug/L		100
9) Methylene Chloride	4.07	84	206211	18.72	ug/L		93
10) trans-1,2-Dichloroethene	4.32	96	123311	22.23	ug/L		91
11) 1,1-Dichloroethane	4.80	63	241154	22.38	ug/L		98
12) cis-1,2-Dichloroethene	5.64	96	140924	22.41	ug/L		94
13) Chloroform	5.89	83	255293	22.31	ug/L		96
15) 1,2-Dichloroethane	7.49	62	146305	23.05	ug/L	#	61
16) 2-Butanone	5.46	43	65526	24.70	ug/L	#	100
18) 1,1,1-Trichloroethane	6.54	97	224795	22.70	ug/L	#	91
19) Carbon Tetrachloride	7.00	117	200361	22.67	ug/L		95
20) Benzene	7.42	78	369198	22.58	ug/L		94
21) Trichloroethene	8.79	130	175414	23.86	ug/L		96
22) 1,2-Dichloropropane	9.29	63	157823	22.94	ug/L	#	93
23) Bromodichloromethane	9.89	83	239130	22.83	ug/L		95
24) cis-1,3-Dichloropropene	11.47	75	225255	22.83	ug/L		96
25) trans-1,3-Dichloropropene	13.02	75	164019	22.92	ug/L		95
26) 1,1,2-Trichloroethane	13.39	97	151586	23.61	ug/L	#	86
27) Dibromochloromethane	14.76	129	208387	23.32	ug/L		94
28) Bromoform	19.67	173	171541	23.76	ug/L	#	87
30) 4-Methyl-2-Pentanone	11.06	43	185549	24.20	ug/L	#	95
32) Toluene	12.19	91	427565	22.52	ug/L		98
33) 2-Hexanone	13.68	43	123861	23.53	ug/L	#	83
34) Tetrachloroethene	14.00	164	142832	22.54	ug/L		94
35) Chlorobenzene	16.64	112	315583	22.44	ug/L		99
36) Ethyl Benzene	16.92	106	147845	22.27	ug/L		93
37) m & p Xylene	17.16	106	380213	25.79	ug/L	m	93
38) o-Xylene	18.52	106	181368	11.39	ug/L	#	50
39) Styrene	18.73	104	205889	22.94	ug/L		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3103.D
Acq Time : 31 Aug 94 2:49 pm
Sample : POINT 2 25ug/L
Misc :
Quant Time: Sep 1 9:43 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.60	83	235470	22.42 ug/L	93

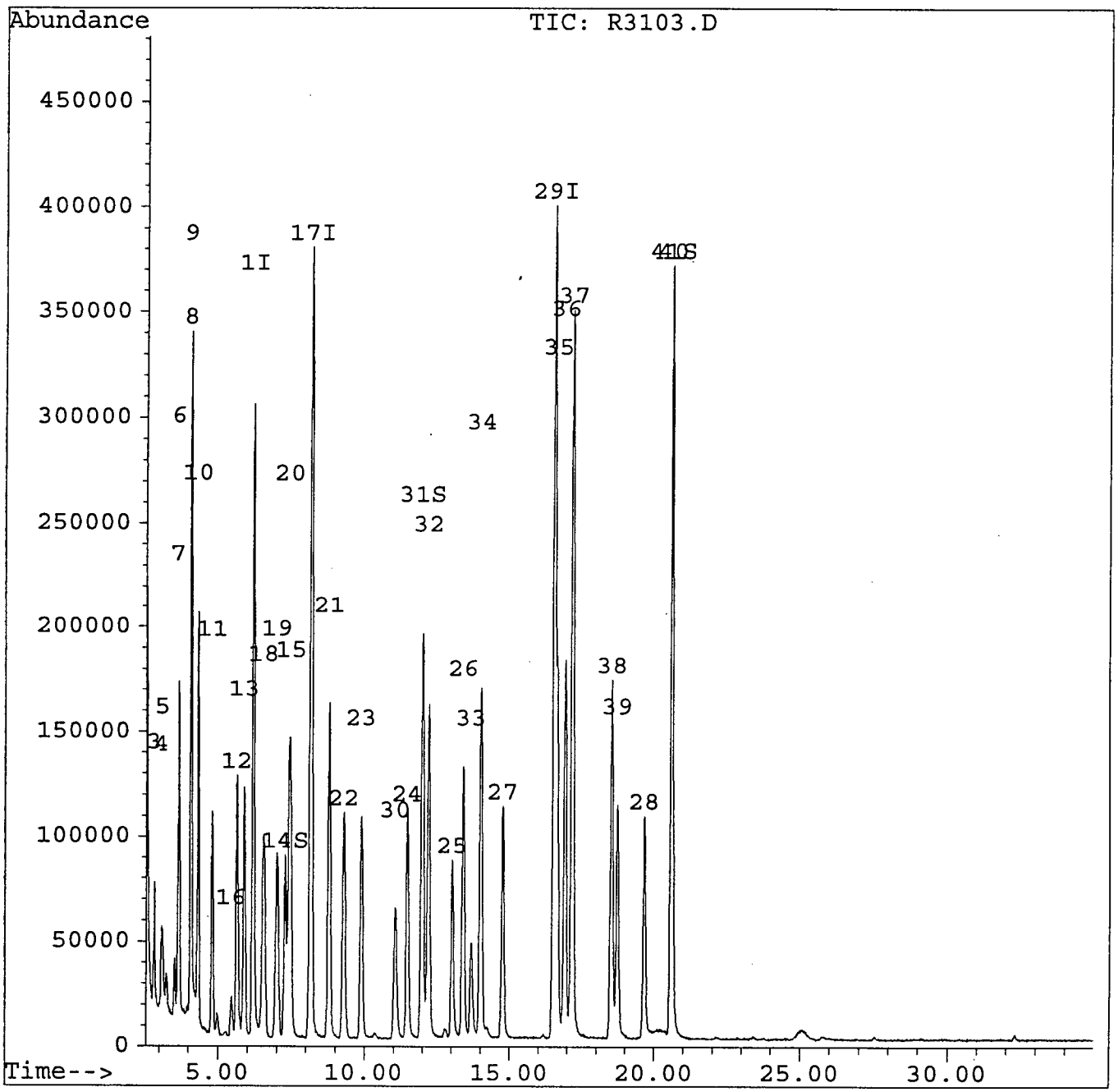
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3103.D
Acq Time : 31 Aug 94 2:49 pm
Sample : POINT 2 25ug/L
Misc :
Quant Time: Sep 1 9:43 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3104.D
Acq Time : 31 Aug 94 3:57 pm
Sample : POINT 3 50ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.18	130	269644	50.00 ug/L	-0.02
17) 1,4-Difluorobenzene	8.14	114	1009243	50.00 ug/L	-0.02
29) Chlorobenzene-d5	16.52	117	771176	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.26	65	316001	50.34 ug/L	100.69%
31) Toluene-d8	11.97	98	995877	50.52 ug/L	101.03%
41) Bromofluorobenzene	20.59	95	786510	49.94 ug/L	99.87%
Target Compounds					Qvalue
2) Chloromethane	2.81	50	119612	43.74 ug/L #	89
3) Vinyl Chloride	2.83	62	121151	43.93 ug/L	99
4) Bromomethane	3.06	94	90566	44.30 ug/L	100
5) Chloroethane	3.10	64	113575	54.26 ug/L	97
6) 1,1-Dichloroethene	3.67	96	224369	47.64 ug/L	90
7) Acetone	3.63	43	142944	37.72 ug/L	97
8) Carbon Disulfide	4.06	76	629808	48.13 ug/L	99
9) Methylene Chloride	4.07	84	474965	43.95 ug/L	93
10) trans-1,2-Dichloroethene	4.32	96	263160	48.36 ug/L	93
11) 1,1-Dichloroethane	4.80	63	510329	48.27 ug/L	98
12) cis-1,2-Dichloroethene	5.64	96	299774	48.60 ug/L	95
13) Chloroform	5.88	83	543743	48.43 ug/L	96
15) 1,2-Dichloroethane	7.47	62	300646	48.29 ug/L	98
16) 2-Butanone	5.46	43	141984	54.55 ug/L #	100
18) 1,1,1-Trichloroethane	6.54	97	473346	48.24 ug/L	97
19) Carbon Tetrachloride	7.00	117	429545	49.04 ug/L	96
20) Benzene	7.41	78	775095	47.85 ug/L	95
21) Trichloroethene	8.77	130	349623	47.99 ug/L	96
22) 1,2-Dichloropropane	9.27	63	328563	48.21 ug/L #	93
23) Bromodichloromethane	9.87	83	507324	48.87 ug/L	95
24) cis-1,3-Dichloropropene	11.46	75	474867	48.57 ug/L	97
25) trans-1,3-Dichloropropene	13.00	75	346723	48.90 ug/L	97
26) 1,1,2-Trichloroethane	13.38	97	311143	48.91 ug/L #	86
27) Dibromochloromethane	14.75	129	435863	49.22 ug/L	94
28) Bromoform	19.67	173	356504	49.83 ug/L #	87
30) 4-Methyl-2-Pentanone	11.04	43	399564	53.13 ug/L #	96
32) Toluene	12.18	91	893758	48.01 ug/L	98
33) 2-Hexanone	13.67	43	326159	63.18 ug/L #	83
34) Tetrachloroethene	13.99	164	303466	48.83 ug/L	95
35) Chlorobenzene	16.63	112	666205	48.32 ug/L	98
36) Ethyl Benzene	16.91	106	314527	48.31 ug/L	95
37) m & p Xylene	17.16	106	795641	66.75 ug/L m	95
38) o-Xylene	18.52	106	382713	27.63 ug/L #	50
39) Styrene	18.72	104	426190	48.41 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3104.D
Acq Time : 31 Aug 94 3:57 pm
Sample : POINT 3 50ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.60	83	530628	51.53 ug/L	93

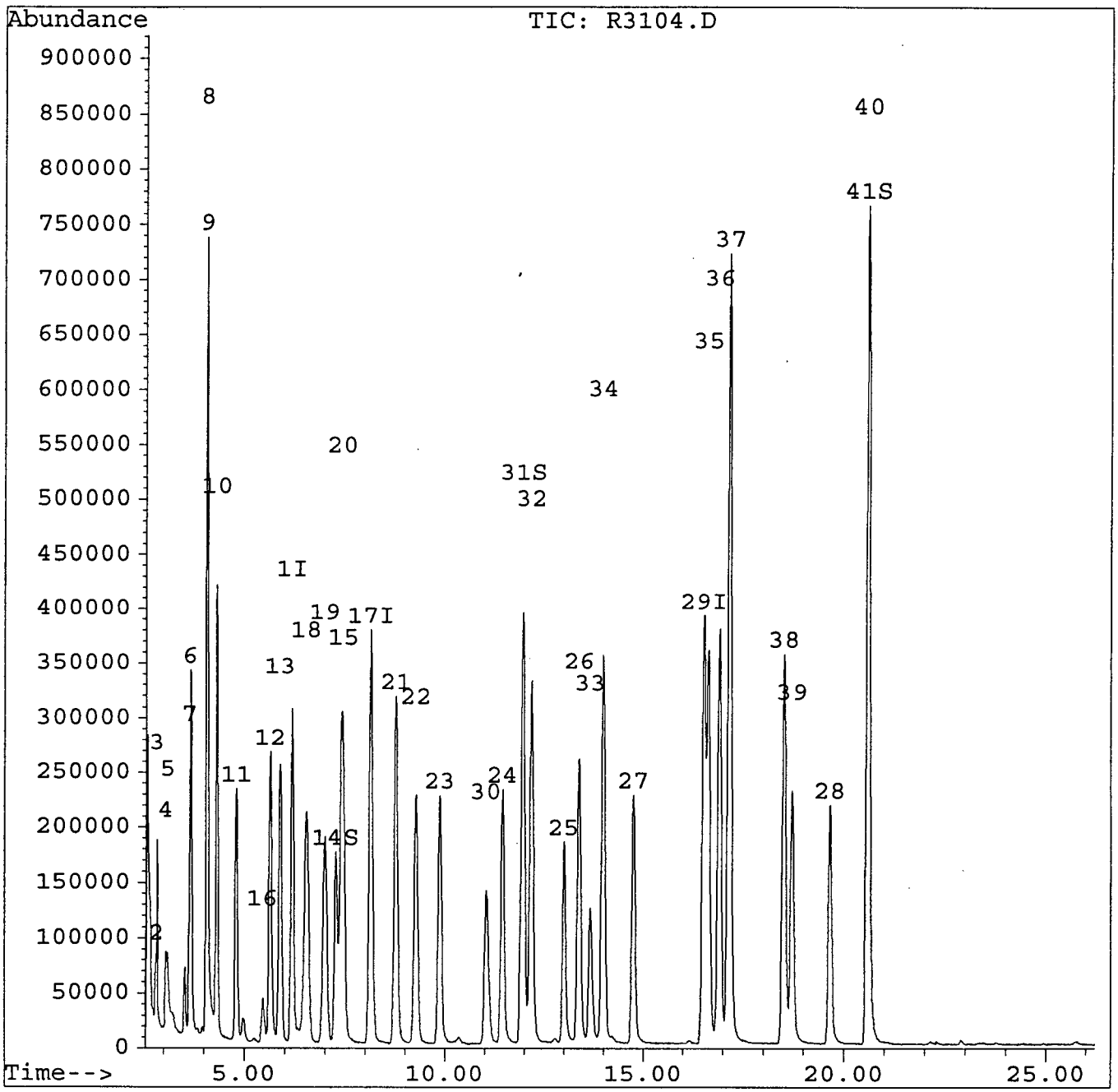
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3104.D
Acq Time : 31 Aug 94 3:57 pm
Sample : POINT 3 50ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3105.D
Acq Time : 31 Aug 94 4:29 pm
Sample : POINT 4 75ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.22	130	261414	50.00	ug/L	0.04
17) 1,4-Difluorobenzene	8.18	114	991284	50.00	ug/L	0.04
29) Chlorobenzene-d5	16.54	117	757237	50.00	ug/L	0.02
System Monitoring Compounds						%Recovery
14) 1,2-Dichloroethane-d4	7.30	65	439273	72.19	ug/L	144.37%
31) Toluene-d8	11.99	98	1413727	73.04	ug/L	146.08%
41) Bromofluorobenzene	20.59	95	1112576	71.94	ug/L	143.88%
Target Compounds						Qvalue
2) Chloromethane	2.83	50	187343	70.66	ug/L	93
3) Vinyl Chloride	2.86	62	198152	74.11	ug/L	99
4) Bromomethane	3.09	94	151496	76.31	ug/L	98
5) Chloroethane	3.13	64	145403	71.65	ug/L	94
6) 1,1-Dichloroethene	3.69	96	351007	76.87	ug/L	90
7) Acetone	3.66	43	123016	33.68	ug/L	97
8) Carbon Disulfide	4.09	76	1009676	79.62	ug/L	99
9) Methylene Chloride	4.10	84	488832	46.67	ug/L	94
10) trans-1,2-Dichloroethene	4.35	96	415351	78.74	ug/L	92
11) 1,1-Dichloroethane	4.84	63	816181	79.63	ug/L	98
12) cis-1,2-Dichloroethene	5.67	96	476839	79.74	ug/L	95
13) Chloroform	5.92	83	859635	78.97	ug/L	95
15) 1,2-Dichloroethane	7.51	62	471303	78.08	ug/L	98
16) 2-Butanone	5.50	43	168121	66.63	ug/L #	100
18) 1,1,1-Trichloroethane	6.58	97	760850	78.96	ug/L	97
19) Carbon Tetrachloride	7.03	117	681448	79.20	ug/L	95
20) Benzene	7.44	78	1234794	77.60	ug/L	95
21) Trichloroethene	8.81	130	559602	78.20	ug/L	97
22) 1,2-Dichloropropane	9.30	63	529084	79.03	ug/L #	93
23) Bromodichloromethane	9.90	83	809705	79.41	ug/L	95
24) cis-1,3-Dichloropropene	11.47	75	761406	79.29	ug/L	96
25) trans-1,3-Dichloropropene	13.02	75	552145	79.28	ug/L	97
26) 1,1,2-Trichloroethane	13.39	97	487468	78.01	ug/L #	86
27) Dibromochloromethane	14.76	129	695142	79.92	ug/L	94
28) Bromoform	19.67	173	557307	79.30	ug/L #	87
30) 4-Methyl-2-Pentanone	11.06	43	547174	74.11	ug/L #	39
32) Toluene	12.20	91	1436459	78.59	ug/L	98
33) 2-Hexanone	13.68	43	345504	68.16	ug/L #	82
34) Tetrachloroethene	14.00	164	479464	78.58	ug/L	94
35) Chlorobenzene	16.64	112	1070925	79.10	ug/L	97
36) Ethyl Benzene	16.92	106	510610	79.86	ug/L	96
37) m & p Xylene	17.17	106	1270311	140.35	ug/L m	96
38) o-Xylene	18.53	106	615058	52.26	ug/L #	48
39) Styrene	18.73	104	692298	80.09	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3105.D
Acq Time : 31 Aug 94 4:29 pm
Sample : POINT 4 75ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.60	83	789647	78.09 ug/L	93

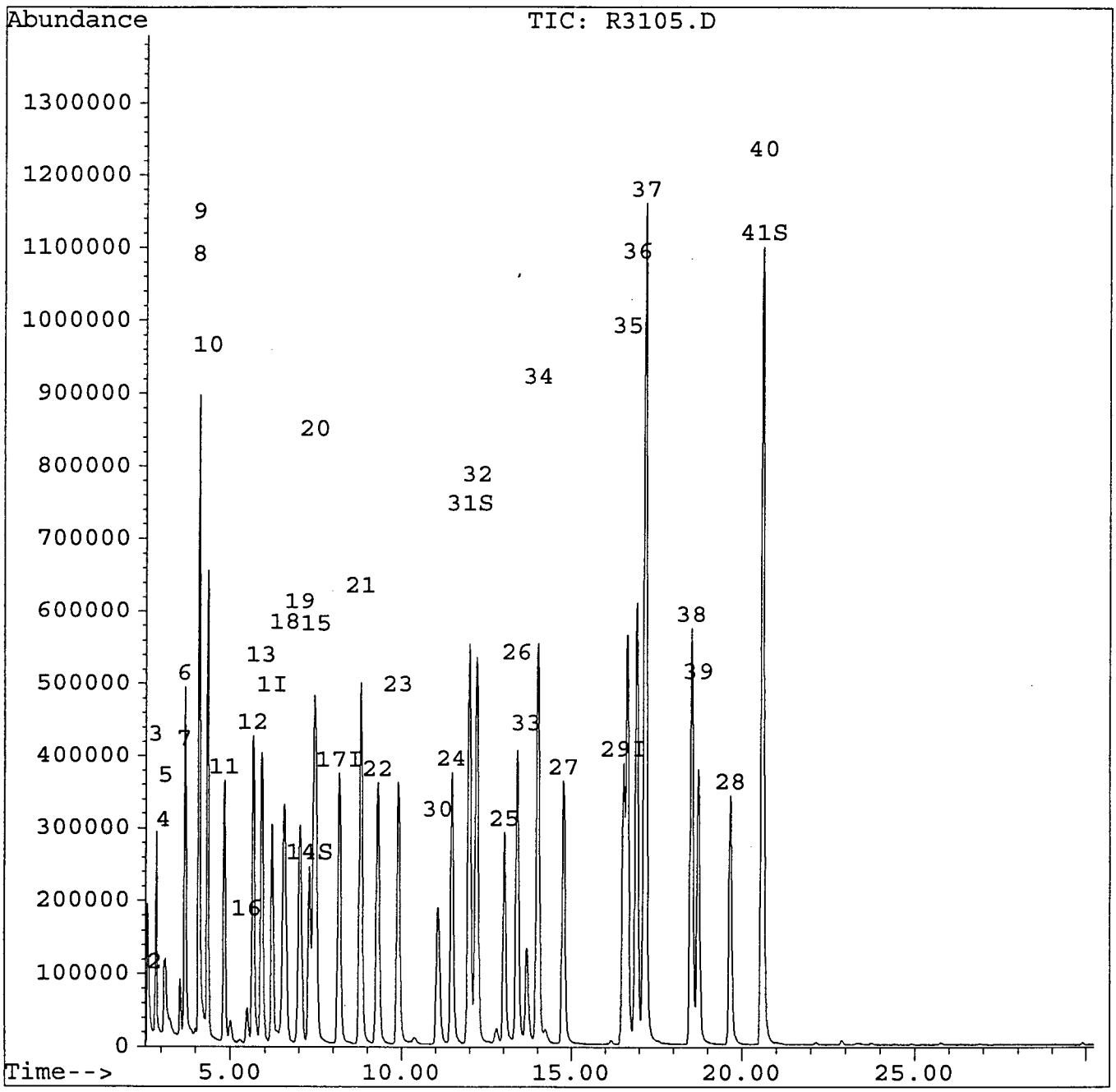
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3105.D
Acq Time : 31 Aug 94 4:29 pm
Sample : POINT 4 75ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3106.D
Acq Time : 31 Aug 94 5:06 pm
Sample : POINT 5 100ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.22	130	252502	50.00	ug/L	0.00
17) 1,4-Difluorobenzene	8.17	114	963096	50.00	ug/L	0.00
29) Chlorobenzene-d5	16.53	117	736384	50.00	ug/L	0.00
System Monitoring Compounds						%Recovery
14) 1,2-Dichloroethane-d4	7.30	65	579065	98.52	ug/L	197.04%
31) Toluene-d8	11.98	98	1880011	99.88	ug/L	199.76%
41) Bromofluorobenzene	20.59	95	1458990	97.01	ug/L	194.02%
Target Compounds						Qvalue
2) Chloromethane	2.82	50	253456	98.97	ug/L	92
3) Vinyl Chloride	2.86	62	268704	104.05	ug/L	98
4) Bromomethane	3.08	94	155511	81.15	ug/L	96
5) Chloroethane	3.12	64	147713	75.54	ug/L	96
6) 1,1-Dichloroethene	3.68	96	463983	105.20	ug/L	91
7) Acetone	3.66	43	273652	77.89	ug/L	98
8) Carbon Disulfide	4.08	76	1339990	109.48	ug/L	99
9) Methylene Chloride	4.09	84	1017185	100.55	ug/L	95
10) trans-1,2-Dichloroethene	4.34	96	556053	109.13	ug/L	92
11) 1,1-Dichloroethane	4.83	63	1100240	111.15	ug/L	98
12) cis-1,2-Dichloroethene	5.67	96	635238	109.98	ug/L	94
13) Chloroform	5.91	83	1155639	109.93	ug/L	95
15) 1,2-Dichloroethane	7.50	62	632539	108.50	ug/L	98
16) 2-Butanone	5.50	43	232067	95.21	ug/L #	100
18) 1,1,1-Trichloroethane	6.57	97	1021409	109.09	ug/L	97
19) Carbon Tetrachloride	7.02	117	915543	109.50	ug/L	96
20) Benzene	7.44	78	1657965	107.24	ug/L	94
21) Trichloroethene	8.80	130	750542	107.95	ug/L	96
22) 1,2-Dichloropropane	9.30	63	706844	108.66	ug/L #	92
23) Bromodichloromethane	9.90	83	1088736	109.89	ug/L	95
24) cis-1,3-Dichloropropene	11.47	75	1021321	109.44	ug/L	97
25) trans-1,3-Dichloropropene	13.02	75	741345	109.55	ug/L	97
26) 1,1,2-Trichloroethane	13.39	97	645849	106.36	ug/L #	86
27) Dibromochloromethane	14.76	129	931226	110.16	ug/L	94
28) Bromoform	19.66	173	736003	107.77	ug/L #	87
30) 4-Methyl-2-Pentanone	11.06	43	707289	98.52	ug/L #	95
32) Toluene	12.19	91	1938290	109.04	ug/L	98
33) 2-Hexanone	13.68	43	463358	94.00	ug/L #	84
34) Tetrachloroethene	14.00	164	647877	109.17	ug/L	94
35) Chlorobenzene	16.64	112	1438758	109.27	ug/L	98
36) Ethyl Benzene	16.92	106	681543	109.61	ug/L	95
37) m & p Xylene	17.17	106	1720343	285.79	ug/L m	95
38) o-Xylene	18.53	106	829964	87.01	ug/L #	49
39) Styrene	18.73	104	930632	110.70	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3106.D
Acq Time : 31 Aug 94 5:06 pm
Sample : POINT 5 100ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.59	83	1028115	104.54 ug/L	93

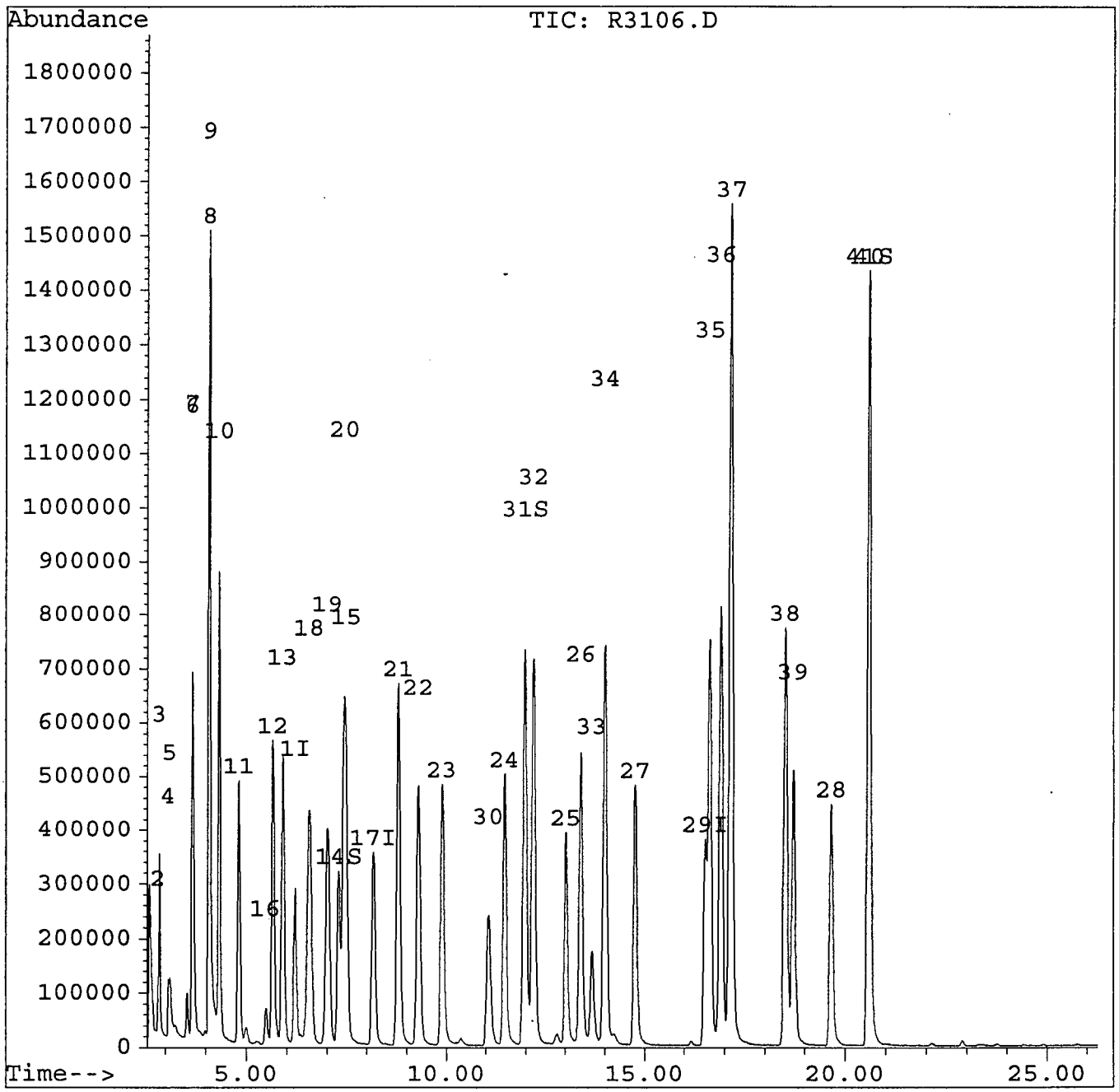
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3106.D
Acq Time : 31 Aug 94 5:06 pm
Sample : POINT 5 100ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: New England testing | Contract: G & H RD/RA

Lab Code: RI010 | Case No.: | SAS No.: | SDG No.: NETL19-1

Instrument ID: 5972 | Calibration Date: 10/14/94 | Time: 1137

Lab File ID: T1521 | Init. Calib. Date(s): 08/30/94 | 08/30/94

Heated Purge: (Y/N) N | Init. Calib. Times: 1256 | 1628

GC Column: VOCOL | ID: 0.75 (mm)

COMPOUND	RRF	RRF05	MIN RRF	%D	MAX %D
Chloromethane	1.457	1.096		24.8	
Bromomethane	1.359	1.208	0.100	11.1	25.0
Vinyl Chloride	1.645	1.466	0.100	10.9	25.0
Chloroethane	1.189	1.066		10.3	
Methylene Chloride	2.916	22.895		-685.2	
Acetone	0.419	2.029		-384.2	
Carbon Disulfide	6.220	5.452		12.3	
1,1-Dichloroethene	2.223	2.073	0.100	6.7	25.0
1,1-Dichloroethane	4.138	3.868	0.200	6.5	25.0
1,2-Dichoroethene (total)	4.589	4.438		3.3	
Chloroform	3.960	4.067	0.200	-2.7	25.0
1,2-Dichloroethane	1.058	1.277	0.100	-20.7	25.0
2-Butanone	0.238	0.189		20.6	
1,1,1-Trichloroethane	0.555	0.598	0.100	-7.7	25.0
Carbon Tetrachloride	0.488	0.538	0.100	-10.2	25.0
Bromodichloromethane	0.322	0.389	0.200	-20.8	25.0
1,2-Dichloropropane	0.250	0.281		-12.4	
cis-1,3-Dichloropropene	0.275	0.339	0.200	-23.3	25.0
Trichloroethene	0.389	0.451	0.300	-15.9	25.0
Dibromochloromethane	0.171	0.170	0.100	0.6	25.0
1,1,2-Trichloroethane	0.110	0.115	0.100	-4.5	25.0
Benzene	0.848	0.897	0.500	-5.8	25.0
trans-1,3-Dichloropropene	0.155	0.150	0.100	3.2	25.0
Bromoform	0.086	0.117	0.100	-36.0	25.0
4-Methyl-2-Pentanone	0.082	0.088		-7.6	
2-Hexanone	0.063	0.051		18.9	
Tetrachloroethene	0.585	0.630	0.200	-7.6	25.0
1,1,2,2-Tetrachloroethane	0.179	0.197	0.500	-9.9	25.0
Toluene	1.609	1.801	0.400	-11.9	25.0
Chlorobenzene	0.970	1.100	0.500	-13.4	25.0
Ethylbenzene	0.569	0.629	0.100	-10.5	25.0
Styrene	0.556	0.642	0.300	-15.5	25.0
Xylene (total)	2.885	3.079	0.300	-6.7	25.0
Toluene-d8	1.458	1.252		14.1	
Bromofluorobenzene	0.770	0.688	0.200	10.7	25.0
1,2-Dichloroethane-d4	0.944	0.967		-2.5	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T1521.D
Acq Time : 14 Oct 94 11:37 pm
Sample : VSTD005
Misc :
Quant Time: Oct 24 12:07 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Mon Oct 24 12:08:00 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.45	130	36501	5.00 ug/L	0.21
17) 1,4-Difluorobenzene	8.40	114	265957	5.00 ug/L	0.20
29) Chlorobenzene-d5	16.68	117	177546	5.00 ug/L	0.13
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.53	65	35303	4.63 ug/L	92.59%
31) Toluene-d8	12.24	98	222292	4.76 ug/L	95.29%
41) Bromofluorobenzene	20.61	95	122118	4.73 ug/L	94.67%
Target Compounds					Qvalue
2) Chloromethane	2.95	50	40010	4.88 ug/L	94
3) Vinyl Chloride	3.00	62	53526	5.49 ug/L	97
4) Bromomethane	3.26	94	44099	4.09 ug/L	96
5) Chloroethane	3.30	64	38920	4.91 ug/L	99
6) 1,1-Dichloroethene	3.86	96	75682	5.54 ug/L	90
7) Acetone	3.80	43	74045	4.08 ug/L m	91
8) Carbon Disulfide	4.27	76	198985	5.39 ug/L	99
9) Methylene Chloride	4.27	84	835701	6.14 ug/L	92
10) trans-1,2-Dichloroethene	4.53	96	80407	5.92 ug/L	100
11) 1,1-Dichloroethane	5.02	63	141198	5.66 ug/L	98
12) cis-1,2-Dichloroethene	5.89	96	81589	6.59 ug/L	97
13) Chloroform	6.13	83	148432	5.41 ug/L	96
15) 1,2-Dichloroethane	7.73	62	46592	5.03 ug/L m	94
16) 2-Butanone	5.70	43	6915	5.10 ug/L m	100
18) 1,1,1-Trichloroethane	6.80	97	159134	4.71 ug/L	96
19) Carbon Tetrachloride	7.26	117	142998	5.68 ug/L	95
20) Benzene	7.67	78	238657	6.98 ug/L	94
21) Trichloroethene	9.05	130	119910	6.56 ug/L	96
22) 1,2-Dichloropropane	9.54	63	74730	7.46 ug/L #	93
23) Bromodichloromethane	10.15	83	103693	6.02 ug/L	94
24) cis-1,3-Dichloropropene	11.73	75	90095	6.53 ug/L	96
25) trans-1,3-Dichloropropene	13.26	75	39893	5.13 ug/L m	98
26) 1,1,2-Trichloroethane	13.63	97	30689	5.18 ug/L m	87
27) Dibromochloromethane	14.99	129	45328	4.93 ug/L m	93
28) Bromoform	19.70	173	31060	7.48 ug/L #	89
30) 4-Methyl-2-Pentanone	11.30	43	15657	5.90 ug/L #	97
32) Toluene	12.47	91	319680	7.13 ug/L	96
33) 2-Hexanone	13.93	43	9078	4.19 ug/L #	30
34) Tetrachloroethene	14.24	164	111775	5.93 ug/L	98
35) Chlorobenzene	16.79	112	195313	6.90 ug/L	95
36) Ethyl Benzene	17.04	106	111589	6.72 ug/L	98
37) m & p Xylene	17.28	91	565789	12.58 ug/L	97
38) o-Xylene	18.60	91	263749	6.39 ug/L	99
39) Styrene	18.80	104	114001	7.15 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T1521.D
Acq Time : 14 Oct 94 11:37 pm
Sample : VSTD005
Misc :
Quant Time: Oct 24 12:07 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Mon Oct 24 12:08:00 1994
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.59	83	34944	5.99 ug/L	92

(#) = qualifier out of range (m) = manual integration

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: New England testing | Contract: G & H RD/RA

Lab Code: RI010 | Case No.: | SAS No.: | SDG No.: NETL19-1

Instrument ID: 5972 | Calibration Date: 10/15/94 | Time: 1104

Lab File ID: T1501 | Init. Calib. Date(s): 08/31/94 | 08/31/94

Heated Purge: (Y/N) Y | Init. Calib. Times: 1407 | 1706

GC Column: VOCOL | ID: 0.75 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.507	0.388		23.5	
Bromomethane	0.379	0.364	0.100	4.0	25.0
Vinyl Chloride	0.511	0.401	0.100	21.5	25.0
Chloroethane	0.387	0.458		-18.3	
Methylene Chloride	2.025	5.991		-195.9	
Acetone	0.693	3.375		-387.0	
Carbon Disulfide	2.424	2.105		13.2	
1,1-Dichloroethene	0.873	0.881	0.100	-0.9	25.0
1,1-Dichloroethane	1.960	1.776	0.200	9.4	25.0
1,2-Dichoroethene (total)	2.153	1.990		7.6	
Chloroform	2.081	2.087	0.200	-0.3	25.0
1,2-Dichloroethane	1.154	1.310	0.100	-13.5	25.0
2-Butanone	0.483	0.521		-7.9	
1,1,1-Trichloroethane	0.486	0.491	0.100	-1.0	25.0
Carbon Tetrachloride	0.434	0.445	0.100	-2.5	25.0
Bromodichloromethane	0.514	0.512	0.200	0.4	25.0
1,2-Dichloropropane	0.338	0.302		10.7	
cis-1,3-Dichloropropene	0.485	0.464	0.200	4.3	25.0
Trichloroethene	0.361	0.360	0.300	0.3	25.0
Dibromochloromethane	0.439	0.425	0.100	3.2	25.0
1,1,2-Trichloroethane	0.315	0.275	0.100	12.7	25.0
Benzene	0.803	0.749	0.500	6.7	25.0
trans-1,3-Dichloropropene	0.351	0.342	0.100	2.6	25.0
Bromoform	0.355	0.314	0.100	11.5	25.0
4-Methyl-2-Pentanone	0.487	0.408		16.2	
2-Hexanone	0.335	0.339		-1.2	
Tetrachloroethene	0.403	0.402	0.200	0.2	25.0
1,1,2,2-Tetrachloroethane	0.668	0.552	0.500	17.4	25.0
Toluene	1.207	1.236	0.400	-2.4	25.0
Chlorobenzene	0.894	0.885	0.500	1.0	25.0
Ethylbenzene	0.422	0.422	0.100	0.0	25.0
Styrene	0.571	0.548	0.300	4.0	25.0
Xylene (total)	1.046	1.047	0.300	-0.1	25.0
Toluene-d8	1.278	1.031		19.3	
Bromofluorobenzene	1.021	0.819	0.200	19.8	25.0
1,2-Dichloroethane-d4	1.164	1.042		10.5	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T1501.D
Acq Time : 15 Oct 94 11:04 am
Sample : VSTD050
Misc :
Quant Time: Oct 15 11:59 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.60	130	161828	50.00 ug/L	0.06
17) 1,4-Difluorobenzene	8.62	114	633572	50.00 ug/L	0.07
29) Chlorobenzene-d5	16.99	117	492514	50.00 ug/L	0.25
System Monitoring Compounds					**%Recovery**
14) 1,2-Dichloroethane-d4	7.72	65	168630	48.16 ug/L	96.31%
31) Toluene-d8	12.52	98	507945	49.54 ug/L	99.08%
41) Bromofluorobenzene	20.89	95	403595	47.17 ug/L	94.34%
Target Compounds					**Qvalue**
2) Chloromethane	2.97	50	62756	49.40 ug/L m	91
3) Vinyl Chloride	2.99	62	64955	46.76 ug/L	99
4) Bromomethane	3.25	94	58915	55.82 ug/L	98
5) Chloroethane	3.30	64	74089	66.90 ug/L	100
6) 1,1-Dichloroethene	3.89	96	142570	49.96 ug/L	90
7) Acetone	3.84	43	546186	73.58 ug/L m	89
8) Carbon Disulfide	4.33	76	340608	46.15 ug/L	99
9) Methylene Chloride	4.34	84	969570	103.61 ug/L m	94
10) trans-1,2-Dichloroethene	4.60	96	143971	48.05 ug/L	94
11) 1,1-Dichloroethane	5.12	63	287357	50.00 ug/L	98
12) cis-1,2-Dichloroethene	6.03	96	178087	49.92 ug/L	97
13) Chloroform	6.29	83	337660	50.25 ug/L	96
15) 1,2-Dichloroethane	7.93	62	212004	49.84 ug/L	96
16) 2-Butanone	5.82	43	84342	43.67 ug/L m	100
18) 1,1,1-Trichloroethane	6.97	97	311040	48.35 ug/L	97
19) Carbon Tetrachloride	7.44	117	281987	53.99 ug/L	95
20) Benzene	7.87	78	474518	50.68 ug/L	93
21) Trichloroethene	9.27	130	227878	54.82 ug/L	97
22) 1,2-Dichloropropane	9.78	63	191056	55.75 ug/L #	92
23) Bromodichloromethane	10.40	83	324212	52.61 ug/L	95
24) cis-1,3-Dichloropropene	12.01	75	293988	50.83 ug/L	96
25) trans-1,3-Dichloropropene	13.55	75	216720	45.23 ug/L	97
26) 1,1,2-Trichloroethane	13.93	97	173964	42.29 ug/L #	86
27) Dibromochloromethane	15.28	129	269168	56.64 ug/L	94
28) Bromoform	20.00	173	198830	57.43 ug/L #	87
30) 4-Methyl-2-Pentanone	11.56	43	200882	49.70 ug/L m	39
32) Toluene	12.74	91	608820	55.76 ug/L	96
33) 2-Hexanone	14.19	43	166962	50.41 ug/L m	87
34) Tetrachloroethene	14.54	164	197828	46.72 ug/L	97
35) Chlorobenzene	17.10	112	435761	47.22 ug/L	97
36) Ethyl Benzene	17.35	106	207729	48.49 ug/L	99
37) m & p Xylene	17.59	106	529358	100.32 ug/L m	99
38) o-Xylene	18.90	106	250951	47.35 ug/L #	47
39) Styrene	19.09	104	269714	46.88 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T1501.D
Acq Time : 15 Oct 94 11:04 am
Sample : VSTD050
Misc :
Quant Time: Oct 15 11:59 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.88	83	271698	35.62 ug/L m	94

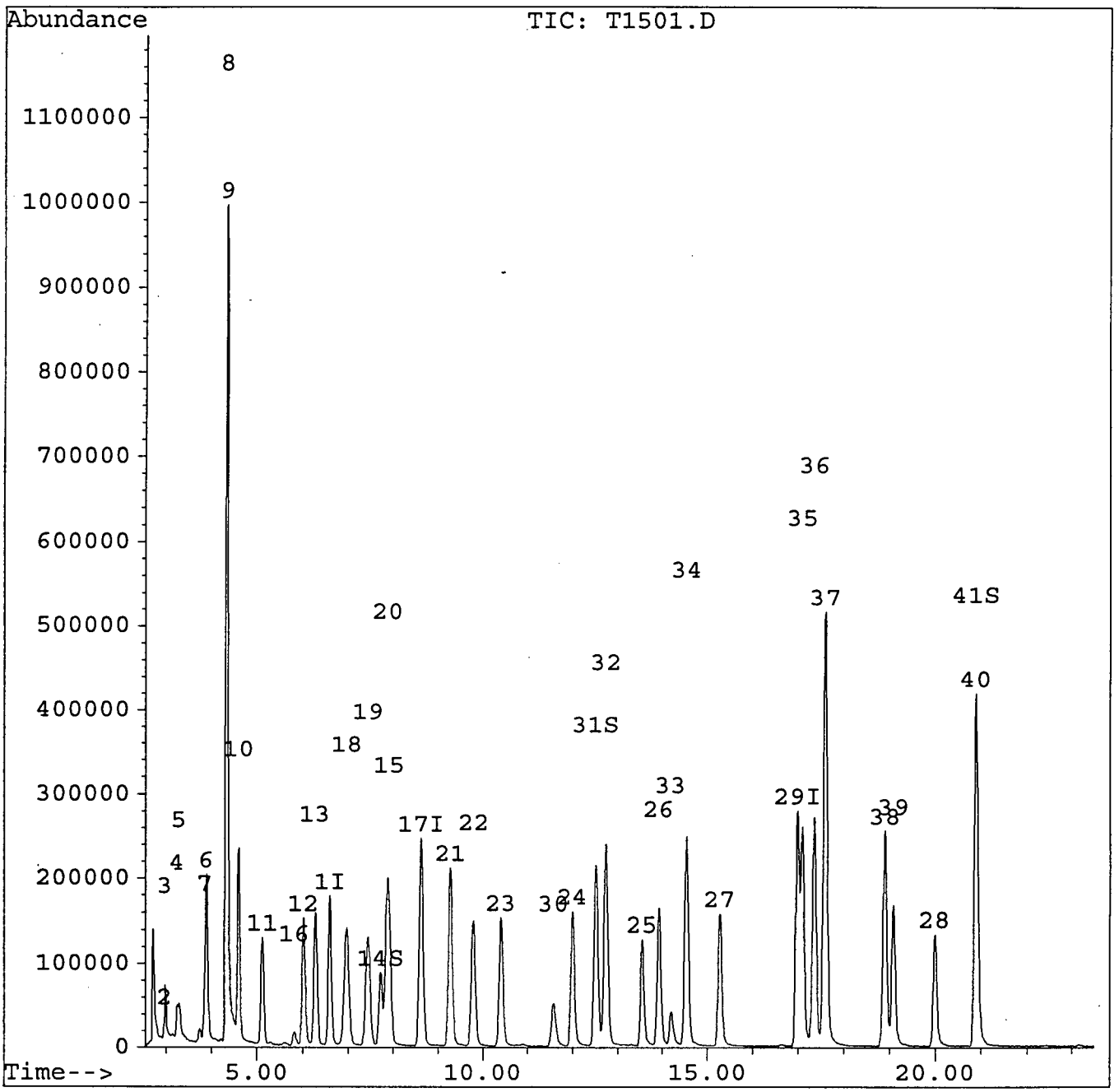
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T1501.D
Acq Time : 15 Oct 94 11:04 am
Sample : VSTD050
Misc :
Quant Time: Oct 15 11:59 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration



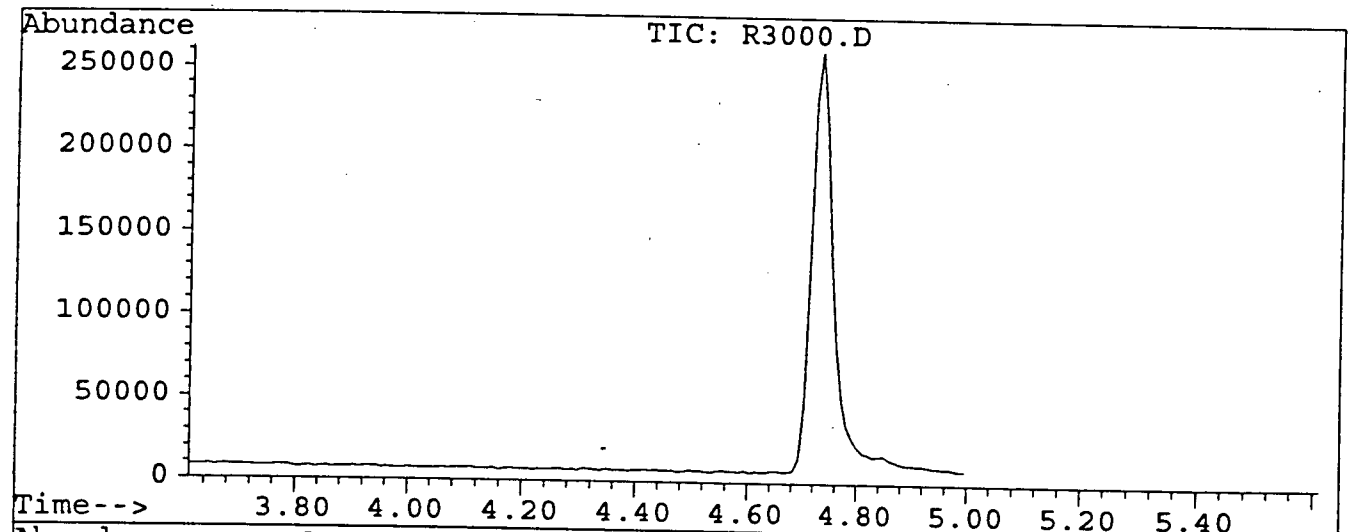
RAW QC DATA

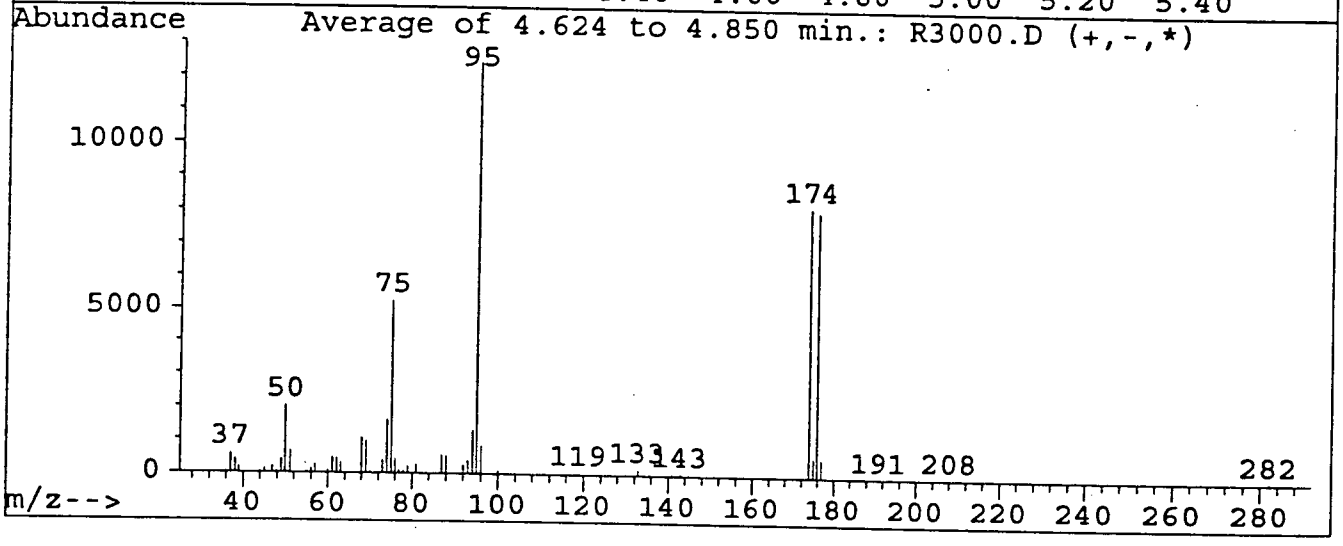
BFB

Data File : C:\HPCHEM\1\DATA\R3000.D
Acq Time : 30 Aug 94 11:47 am
Sample : BFBCHK
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : clp compounds





Peak Apex is scan: 211

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.2	2012	PASS
75	95	30	60	42.3	5239	PASS
95	95	100	100	100.0	12400	PASS
96	95	5	9	6.7	835	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	65.7	8152	PASS
175	174	5	9	7.4	607	PASS
176	174	95	101	98.7	8046	PASS
177	176	5	9	7.1	571	PASS

R3000.D VOC05.M Tue Aug 30 11:52:30 1994

Average of 4.624 to 4.850 min.: R3000.D
BFBCHK
Modified:added subtracted scaled

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	10	51.00	662	63.05	331	76.00	452
35.95	40	51.95	17	64.00	23	76.95	90
37.00	567	55.00	48	65.05	4	77.95	92
38.00	411	56.00	145	66.90	11	78.90	207
39.05	191	57.00	263	68.05	1055	79.70	5
44.00	46	57.95	4	69.00	971	79.95	47
45.05	142	60.00	98	70.00	79	80.95	268
46.95	203	60.75	6	71.95	43	81.90	41
47.95	67	61.00	459	72.95	397	86.00	5
48.95	412	61.75	4	74.00	1588	87.00	536
49.95	2012	62.00	440	75.00	5239	88.00	539

Average of 4.624 to 4.850 min.: R3000.D
BFBCHK
Modified:added subtracted scaled

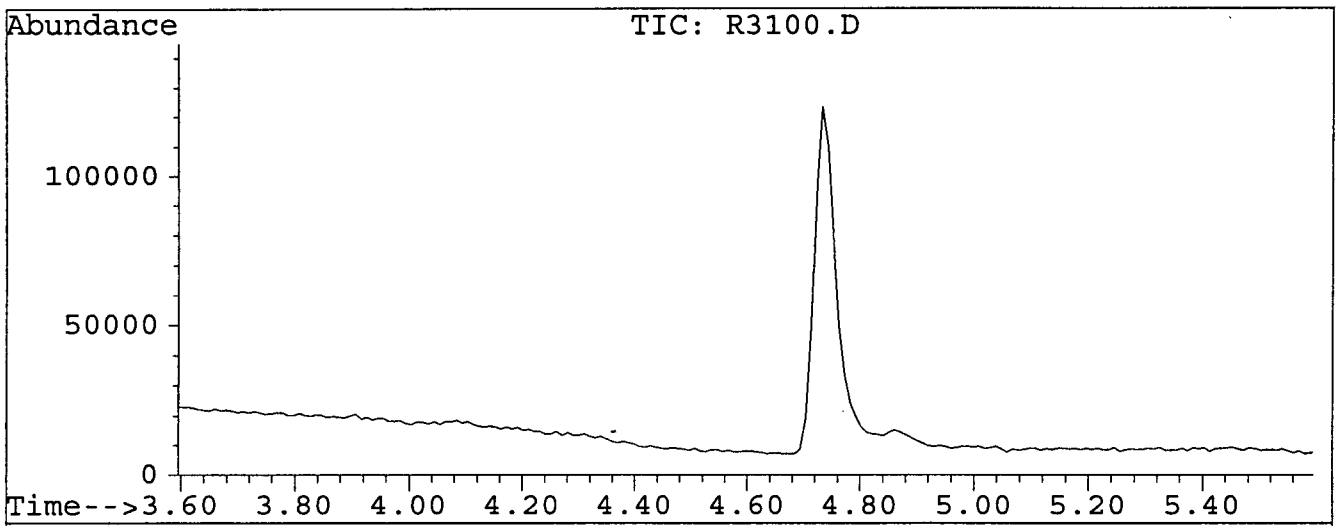
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.00	38	115.90	20	142.95	54	191.05	3
92.00	278	116.90	39	145.90	4	208.00	18
93.00	402	117.90	17	146.85	4	209.00	9
94.05	1302	118.95	49	147.85	11	282.00	34
95.05	12400	127.75	11	149.95	4		
96.05	835	128.00	6	155.05	6		
96.30	8	128.90	5	156.85	5		
96.90	31	129.90	29	173.90	8152		
99.95	96	132.95	171	174.95	607		
103.90	23	134.90	9	175.90	8046		
105.90	21	140.95	49	176.90	571		

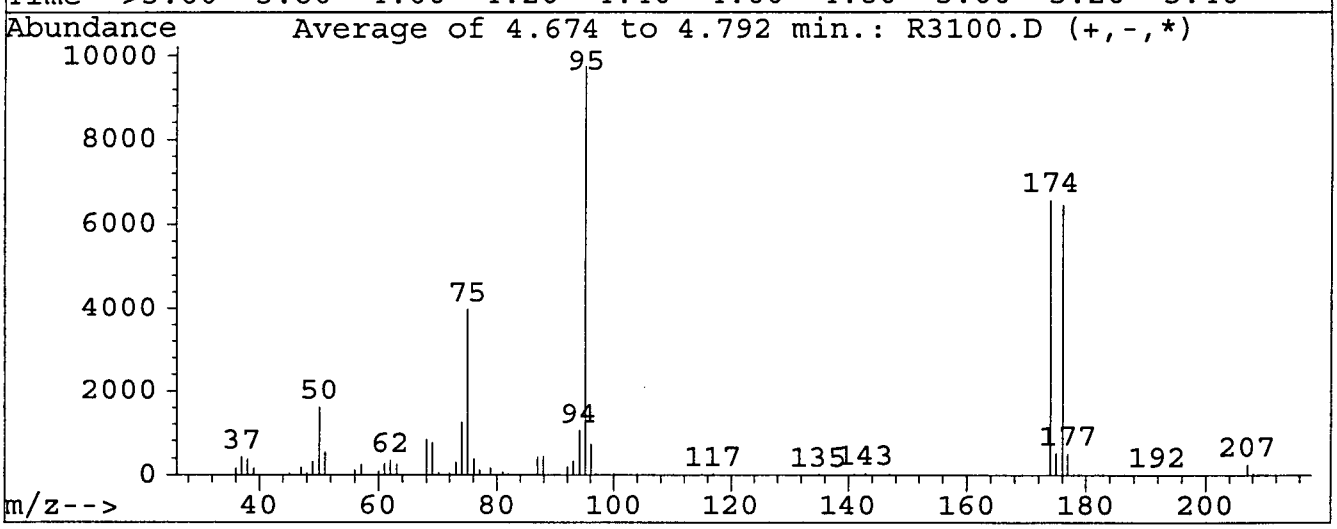
BFB

Data File : C:\HPCHEM\1\DATA\R3100.D
Acq Time : 31 Aug 94 12:41 pm
Sample : BFBCHK
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST





Peak Apex is scan: 209

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.6	1622	PASS
75	95	30	60	40.9	3989	PASS
95	95	100	100	100.0	9747	PASS
96	95	5	9	7.4	724	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	67.4	6570	PASS
175	174	5	9	7.9	518	PASS
176	174	95	101	98.2	6452	PASS
177	176	5	9	7.8	504	PASS

Average of 4.674 to 4.792 min.: R3100.D
BFBCHK
Modified:added subtracted scaled

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	163	51.95	8	69.05	770	80.95	81
37.05	426	56.00	118	70.10	62	81.95	32
38.00	376	57.05	253	71.95	48	86.95	425
38.80	11	59.05	8	73.00	313	87.95	443
39.05	162	60.00	84	74.00	1246	88.80	8
45.05	41	61.05	283	75.00	3989	92.00	202
47.00	183	62.00	346	76.05	381	93.05	342
48.00	45	63.05	260	77.05	118	94.10	1044
49.00	321	63.90	18	78.95	163	95.10	9747
50.05	1622	66.95	9	79.80	11	96.05	724
51.00	543	68.05	841	80.05	23	96.90	34

Average of 4.674 to 4.792 min.: R3100.D
BFBCHK
Modified:added subtracted scaled

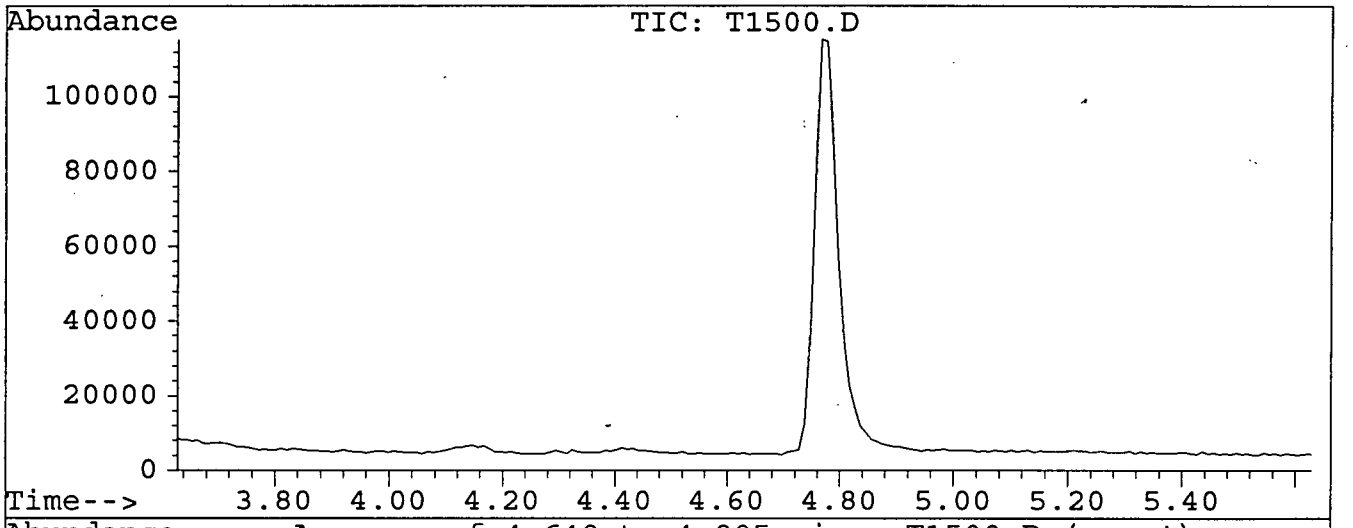
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
99.95	52	148.05	8				
102.75	10	174.00	6570				
104.00	27	174.95	518				
104.95	9	176.00	6452				
105.95	9	176.95	504				
115.00	19	192.00	8				
116.95	27	207.05	249				
135.00	8	208.05	53				
140.95	31						
142.95	52						
147.00	25						

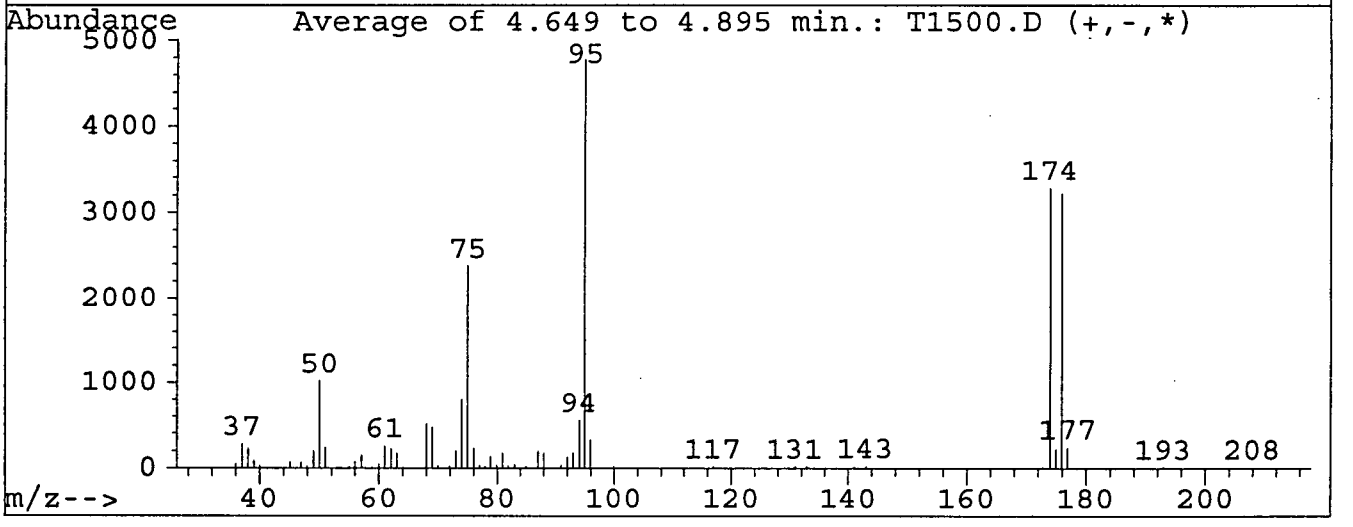
BFB

Data File : C:\HPCHEM\1\DATA\T1500.D
Acq Time : 15 Oct 94 9:54 am
Sample : BFBCHK
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST





Peak Apex is scan: 213

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	1020	PASS
75	95	30	60	49.8	2379	PASS
95	95	100	100	100.0	4777	PASS
96	95	5	9	6.8	327	PASS
173	174	0	2	0.5	18	PASS
174	95	50	100	68.6	3278	PASS
175	174	5	9	6.8	223	PASS
176	174	95	101	98.1	3216	PASS
177	176	5	9	7.6	243	PASS

Average of 4.649 to 4.895 min.: T1500.D
BFBCHK
Modified:added subtracted scaled

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	54	51.00	242	70.00	31	81.90	29
36.90	5	54.95	13	71.95	24	82.95	42
37.05	278	56.00	75	73.00	198	84.95	25
38.00	235	57.05	147	74.00	799	87.00	194
39.05	91	60.00	43	75.00	2379	87.95	175
40.00	28	61.00	256	76.00	230	90.95	37
45.05	77	62.00	223	77.00	31	92.00	125
47.00	67	63.05	169	77.95	22	93.00	181
47.90	26	64.05	4	78.90	136	94.00	554
49.00	205	68.05	505	79.95	36	94.95	4777
50.00	1020	69.00	470	80.90	171	95.90	327

Average of 4.649 to 4.895 min.: T1500.D
BFBCHK
Modified:added subtracted scaled

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
99.95	25	172.75	18				
102.95	4	173.90	3278				
103.85	9	174.90	223				
116.95	20	175.90	3216				
117.95	4	176.90	243				
118.90	8	192.95	13				
129.90	4	208.00	11				
130.90	21						
132.95	20						
140.90	19						
142.95	26						

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) WATER Lab Sample ID: VBLK01

Sample wt/vol: 25 (g/mL) mL Lab File ID: T1522

Level: (low/med) Low Date Received:

% Moisture: not dec. Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-09-2	Methylene Chloride	1.0	U
67-64-1	Acetone	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
67-66-3	Chloroform	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
1330-20-7	Xylene (total)	1.0	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T1522.D
Acq Time : 15 Oct 94 12:10 am
Sample : VBLK02
Misc : E1005-02
Quant Time: Oct 24 12:07 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Mon Oct 24 12:08:00 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.47	130	36384	5.00 ug/L	0.03
17) 1,4-Difluorobenzene	8.43	114	256804	5.00 ug/L	0.02
29) Chlorobenzene-D5	16.69	117	172564	5.00 ug/L	0.01

System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-D4	7.56	65	34810	4.95 ug/L	99.00%
31) Toluene-D8	12.26	98	219030	5.07 ug/L	101.38%
41) Bromofluorobenzene-SS	20.61	95	107743	4.54 ug/L	90.75%

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration
T1522.D VOC05.M Mon Oct 24 12:08:54 1994

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: VBLK02

Sample wt/vol: 5.219 (g/mL) g Lab File ID: T1502

Level: (low/med) Low Date Received:

% Moisture: not dec. Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-09-2	Methylene Chloride	9.5	
67-64-1	Acetone	6.6	
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
67-66-3	Chloroform	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
1330-20-7	Xylene (total)	1.0	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T1502.D
Acq Time : 15 Oct 94 11:35 am
Sample : VBLK02
Misc :
Quant Time: Oct 15 12:35 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.65	130	154976	50.00 ug/L	0.05
17) 1,4-Difluorobenzene	8.67	114	633332	50.00 ug/L	0.05
29) Chlorobenzene-d5	16.99	117	490502	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.76	65	159961	49.53 ug/L	99.05%
31) Toluene-d8	12.54	98	495901	49.01 ug/L	98.03%
41) Bromofluorobenzene	20.88	95	325002	40.43 ug/L	80.86%
Target Compounds					Qvalue
7) Acetone	3.87	43	72248	6.91 ug/L	89
9) Methylene Chloride	4.36	84	183832	9.90 ug/L	93

0197

(#) = qualifier out of range (m) = manual integration

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

2-2D MS

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 2-2D MS

Sample wt/vol: 5.280 (g/mL) g Lab File ID: T1505

Level: (low/med) Low Date Received: 10/05/94

% Moisture: not dec. 23 Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.2	U
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-09-2	Methylene Chloride	5.0	B
67-64-1	Acetone	4.4	B
75-15-0	Carbon Disulfide	1.2	U
75-35-4	1,1-Dichloroethene	23	
75-34-3	1,1-Dichloroethane	1.2	U
540-59-0	1,2-Dichloroethene (total)	1.2	U
67-66-3	Chloroform	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
78-93-3	2-Butanone	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	23	
124-48-1	Dibromochloromethane	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
71-43-2	Benzene	24	
10061-02-6	trans-1,3-Dichloropropene	1.2	U
75-25-2	Bromoform	1.2	U
108-10-1	4-Methyl-2-Pentanone	1.2	U
591-78-6	2-Hexanone	1.2	U
127-18-4	Tetrachloroethene	25	
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	23	
108-90-7	Chlorobenzene	25	
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
1330-20-7	Xylene (total)	1.2	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T1505.D
Acq Time : 15 Oct 94 1:08 pm
Sample : 2-2D 5.280g/5ml MS
Misc :
Quant Time: Oct 15 14:59 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.61	130	170457	50.00 ug/L	0.00
17) 1,4-Difluorobenzene	8.63	114	689607	50.00 ug/L	0.00
29) Chlorobenzene-d5	16.97	117	552779	50.00 ug/L	-0.02
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.73	65	179026	50.40 ug/L	100.79%
31) Toluene-d8	12.52	98	594448	52.14 ug/L	104.27%
41) Bromofluorobenzene	20.87	95	394180	43.51 ug/L	87.02%
Target Compounds					Qvalue
6) 1,1-Dichloroethene	3.91	96	56667	18.87 ug/L m	94
7) Acetone	3.85	43	40941	3.56 ug/L	88
9) Methylene Chloride	4.34	84	83203	4.07 ug/L	91
20) Benzene	7.88	78	205382	19.88 ug/L m	95
21) Trichloroethene	9.28	130	93083	18.76 ug/L m	96
32) Toluene	12.74	91	253654	18.56 ug/L m	95
35) Chlorobenzene	17.07	112	195262	19.96 ug/L m	98

(#) = qualifier out of range (m) = manual integration

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

2-2D MSD

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E1005-02 SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 2-2D MSD

Sample wt/vol: 5.454 (g/mL) g Lab File ID: T1506

Level: (low/med) Low Date Received: 10/05/94

% Moisture: not dec. 23 Date Analyzed: 10/15/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.2	U
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-09-2	Methylene Chloride	19	B
67-64-1	Acetone	4.7	B
75-15-0	Carbon Disulfide	1.2	U
75-35-4	1,1-Dichloroethene	22	
75-34-3	1,1-Dichloroethane	1.2	U
540-59-0	1,2-Dichloroethene (total)	1.2	U
67-66-3	Chloroform	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
78-93-3	2-Butanone	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	22	
124-48-1	Dibromochloromethane	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
71-43-2	Benzene	23	
10061-02-6	trans-1,3-Dichloropropene	1.2	U
75-25-2	Bromoform	1.2	U
108-10-1	4-Methyl-2-Pentanone	1.2	U
591-78-6	2-Hexanone	1.2	U
127-18-4	Tetrachloroethene	25	
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	23	
108-90-7	Chlorobenzene	25	
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
1330-20-7	Xylene (total)	1.2	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\T1506.D
Acq Time : 15 Oct 94 1:45 pm
Sample : 2-2D 5.454g/5ml MSD
Misc :
Quant Time: Oct 15 15:03 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.62	130	174204	50.00 ug/L	0.02
17) 1,4-Difluorobenzene	8.63	114	664847	50.00 ug/L	0.02
29) Chlorobenzene-d5	16.96	117	516241	50.00 ug/L	-0.02
System Monitoring Compounds					**%Recovery**
14) 1,2-Dichloroethane-d4	7.74	65	182051	50.14 ug/L	100.29%
31) Toluene-d8	12.51	98	573757	53.88 ug/L	107.76%
41) Bromofluorobenzene	20.87	95	374442	44.26 ug/L	88.51%
Target Compounds					**Qvalue**
6) 1,1-Dichloroethene	3.90	96	55490	18.08 ug/L m	92
7) Acetone	3.85	43	46618	3.96 ug/L #	86
9) Methylene Chloride	4.34	84	337978	16.19 ug/L	91
20) Benzene	7.88	78	195224	19.60 ug/L m	95
21) Trichloroethene	9.28	130	89844	18.79 ug/L m	96
32) Toluene	12.74	91	242177	18.97 ug/L m	95
35) Chlorobenzene	17.06	112	188012	20.58 ug/L m	98

0201

(#) = qualifier out of range (m) = manual integration

SEMIVOLATILES DATA PACKAGE
QC SUMMARY

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: _____ SAS No.: _____ SDG No.: NETL19-1

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	FIELD BLANK	73	64	93	25	38	83	57	63	0
02	SBLKW1	95	78	112	37	54	107	74	79	0
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										

	QC LIMITS	
S1 (NBZ) = Nitrobenzene-d5	(35-114)	
S2 (FBP) = 2-Fluorobiphenyl	(43-116)	
S3 (TPH) = Terphenyl-d14	(33-141)	
S4 (PHL) = Phenol-d5	(10-110)	
S5 (2FP) = 2-Fluorophenol	(21-110)	
S6 (TBP) = 2,4,6-Tribromophenol	(10-123)	
S7 (2CP) = 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB) = 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Level: (low/med) low

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	MS-4A	68	73	102					65	0
02	MS-4B	38	40	44					35	0
03	MS-2C	57	57	72					55	0
04	MS-1A	74	72	78					71	0
05	MS-1B	66	80	99					80	0
06	MS-2E	72	67	97					66	0
07	MS-1C	61	81	101	68	56	118	65	83	0
08	MS-1D	59	78	97	67	55	110	63	81	0
09	MS-2A	43	45	48	37	37	47	37	43	0
10	MS-2D	83	78	98	68	66	100	66	78	0
11	MS-4C	104	88	120	78	78	121	76	94	0
12	MS-2DMS	66	64	77	56	54	85	55	64	0
13	MS-2DMSD	79	70	85	67	66	100	66	78	0
14	SBLKS1	92	79	104	72	72	107	73	86	0
15	SBLKW1	95	78	112	37	54	107	74	79	0
16	FIELD BLANK	73	64	93	25	38	83	57	63	0
17	MS-2B	93	81	105					87	0
18	2F	64	63	68					68	0
19	3A	54	57	64					61	0
20	3B	70	72	86					76	0
21	5A	67	65	82					71	0
22	5B	60	59	75					63	0
23										

	QC LIMITS	
S1 (NBZ) = Nitrobenzene-d5	(23-120)	
S2 (FBP) = 2-Fluorobiphenyl	(30-115)	
S3 (TPH) = Terphenyl-d14	(18-137)	
S4 (PHL) = Phenol-d5	(24-113)	
S5 (2FP) = 2-Fluorophenol	(25-121)	
S6 (TBP) = 2,4,6-Tribromophenol	(19-122)	
S7 (2CP) = 2-Chlorophenol-d4	(20-130)	(advisory)
S8 (DCB) = 1,2-Dichlorobenzene-d4	(20-130)	(advisory)

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

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix Spike - EPA Sample No.: MS-2D Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	1916	0	1001	52	26- 90
2-Chlorophenol	1916	0	967	50	25-102
1,4-Dichlorobenzene	1278	0	736	58	28-104
N-Nitroso-di-n-prop.(1)	1278	0	823	64	41-126
1,2,4-Trichlorobenzene	1278	0	767	60	38-107
4-Chloro-3-methylphenol	1916	0	1149	60	26-103
Acenaphthene	1278	0	788	62	31-137
4-Nitrophenol	1916	0	1453	76	11-114
2,4-Dinitrotoluene	1278	0	933	73	28- 89
Pentachlorophenol	1916	0	1882	98	17-109
Pyrene	1278	0	891	70	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	1927	1236	64	21	35	26- 90
2-Chlorophenol	1927	1202	62	21	50	25-102
1,4-Dichlorobenzene	1284	950	74	24	27	28-104
N-Nitroso-di-n-prop.(1)	1284	1033	80	22	38	41-126
1,2,4-Trichlorobenzene	1284	929	72	18	23	38-107
4-Chloro-3-methylphenol	1927	1357	70	15	33	26-103
Acenaphthene	1284	897	70	12	19	31-137
4-Nitrophenol	1927	1690	88	15	50	11-114
2,4-Dinitrotoluene	1284	1096	85	15	47	28- 89
Pentachlorophenol	1927	1814	94	4	47	17-109
Pyrene	1284	1041	81	15	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKS1

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID: >V0708 Lab Sample ID: SBLKS1

Instrument ID: MACH 2 Date Extracted: 10/05/94

Matrix: (soil/water) SOIL Date Analyzed: 10/07/94

Level: (low/med) LOW Time Analyzed: 1931

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	MS-4A	4A	>V0603	10/06/94
02	MS-4B	4B	>V0604	10/06/94
03	MS-2C	2C	>V0605	10/06/94
04	MS-1A	1A	>V0607	10/06/94
05	MS-1B	1B	>V0608	10/06/94
06	MS-2E	2E	>V0609	10/06/94
07	MS-1C	1C	>V0610	10/06/94
08	MS-1D	1D	>V0611	10/06/94
09	MS-2A	2A	>V0703	10/07/94
10	MS-2D	2D	>V0704	10/07/94
11	MS-4C	4C	>V0705	10/07/94
12	MS-2DMS	2D MS	>V0706	10/07/94
13	MS-2DMSD	2D MSD	>V0707	10/07/94
14	MS-2B	2B	>V0711	10/07/94
15	2F	2F	>V1410	10/15/02
16	3A	3A	>V1411	10/15/02
17	3B	3B	>V1412	10/15/02
18	5A	5A	>V1706	10/17/94
19	5B	5B	>V1707	10/17/94
20				
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COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKW1

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID: >V0709 Lab Sample ID: SBLKW1

Instrument ID: MACH 2 Date Extracted: 10/06/94

Matrix: (soil/water) WATER Date Analyzed: 10/07/94

Level: (low/med) LOW Time Analyzed: 2044

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	FIELD BLANK	FIELD BLANK	>V0710	10/07/94
02				
03				
04				
05				
06				
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COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: New England Testing Laboratory Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID: >U0301 DFTPP Injection Date: 09/05/94

Instrument ID: MACH 2 DFTPP Injection Time: 1124

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 80.0% of mass 198	47.4	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	59.2	
70	Less than 2.0% of mass 69	0.0	(0.0)1
127	25.0 - 75.0% of mass 198	43.1	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.8	
275	10.0 - 30.0% of mass 198	20.5	
365	Greater than 0.75% of mass 198	1.7	
441	Present, but less than mass 443	8.7	
442	40.0 - 110.0% of mass 198	60.4	
443	15.0 - 24.0% of mass 442	11.3	(18.7)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	>U0302	09/05/94	1150
02	SSTD20	SSTD20	>U0303	09/05/94	1303
03	SSTD80	SSTD80	>U0304	09/05/94	1416
04	SSTD120	SSTD120	>U0305	09/05/94	1528
05	SSTD180	SSTD180	>U0306	09/05/94	1641
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: New England Testing Laboratory Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID: >V0601 DFTPP Injection Date: 10/06/94

Instrument ID: MACH 2 DFTPP Injection Time: 0912

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 80.0% of mass 198	45.5	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	56.6	
70	Less than 2.0% of mass 69	0.5	(0.8)1
127	25.0 - 75.0% of mass 198	40.6	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.8	
275	10.0 - 30.0% of mass 198	22.4	
365	Greater than 0.75% of mass 198	2.7	
441	Present, but less than mass 443	9.8	
442	40.0 - 110.0% of mass 198	69.1	
443	15.0 - 24.0% of mass 442	13.2	(19.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	>V0602	10/06/94	0937
02	MS-4A	4A	>V0603	10/06/94	1139
03	MS-4B	4B	>V0604	10/06/94	1302
04	MS-2C	2C	>V0605	10/06/94	1408
05	MS-1A	1A	>V0607	10/06/94	1620
06	MS-1B	1B	>V0608	10/06/94	1725
07	MS-2E	2E	>V0609	10/06/94	1831
08	MS-1C	1C	>V0610	10/06/94	1937
09	MS-1D	1D	>V0611	10/06/94	2050
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: New England Testing Laboratory Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID: >V0701 DFTPP Injection Date: 10/07/94

Instrument ID: MACH 2 DFTPP Injection Time: 1117

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 80.0% of mass 198	49.9	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	60.1	
70	Less than 2.0% of mass 69	0.3	(0.5)1
127	25.0 - 75.0% of mass 198	40.9	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.8	
275	10.0 - 30.0% of mass 198	22.3	
365	Greater than 0.75% of mass 198	2.4	
441	Present, but less than mass 443	8.8	
442	40.0 - 110.0% of mass 198	61.8	
443	15.0 - 24.0% of mass 442	11.4	(18.5)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	>V0702	10/07/94	1143
02	MS-2A	2A	>V0703	10/07/94	1327
03	MS-2D	2D	>V0704	10/07/94	1439
04	MS-4C	4C	>V0705	10/07/94	1552
05	MS-2DMS	2D MS	>V0706	10/07/94	1705
06	MS-2DMSD	2D MSD	>V0707	10/07/94	1818
07	SBLKS1	SBLKS1	>V0708	10/07/94	1931
08	SBLKW1	SBLKW1	>V0709	10/07/94	2044
09	FIELD BLANK	FIELD BLANK	>V0710	10/07/94	2157
10	MS-2B	2B	>V0711	10/07/94	2310
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: New England Testing Laboratory Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID: >V1401 DFTPP Injection Date: 10/14/94

Instrument ID: MACH 2 DFTPP Injection Time: 1719

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE		
51	30.0 - 80.0% of mass 198	38.8		
68	Less than 2.0% of mass 69	0.0	(0.0	)1
69	Mass 69 relative abundance	47.2		
70	Less than 2.0% of mass 69	0.0	(0.0	)1
127	25.0 - 75.0% of mass 198	34.2		
197	Less than 1.0% of mass 198	0.0		
198	Base Peak, 100% relative abundance	100.0		
199	5.0 to 9.0% of mass 198	6.6		
275	10.0 - 30.0% of mass 198	24.8		
365	Greater than 0.75% of mass 198	2.5		
441	Present, but less than mass 443	11.2		
442	40.0 - 110.0% of mass 198	79.8		
443	15.0 - 24.0% of mass 442	15.1	(18.9	)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	>V1402	10/14/94	1745
02	XXXXX	XXXXX	>V1403	10/14/94	1904
03	XXXXX	XXXXX	>V1404	10/14/94	2005
04	XXXXX	XXXXX	>V1405	10/14/94	2105
05	XXXXX	XXXXX	>V1406	10/14/94	2206
06	XXXXX	XXXXX	>V1407	10/14/94	2307
07	XXXXX	XXXXX	>V1408	10/15/94	0008
08	2F	2F	>V1409	10/15/94	0108
09	3A	3A	>V1410	10/15/94	0209
10	3B	3B	>V1411	10/15/94	0310
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: New England Testing Laboratory Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID: >V1704 DFTPP Injection Date: 10/17/94

Instrument ID: MACH 2 DFTPP Injection Time: 1635

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	43.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	51.5
70	Less than 2.0% of mass 69	0.3 (0.7)1
127	25.0 - 75.0% of mass 198	37.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	21.3
365	Greater than 0.75% of mass 198	1.9
441	Present, but less than mass 443	8.1
442	40.0 - 110.0% of mass 198	56.7
443	15.0 - 24.0% of mass 442	10.8 (19.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	>V1705	10/17/94	1710
02	5A	5A	>V1706	10/17/94	1839
03	5B	5B	>V1707	10/17/94	1940
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): >V0602 Date Analyzed: 10/06/94

Instrument ID: MACH 2 Time Analyzed: 0937

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	60685	11.57	226734	15.14	136004	19.97
	UPPER LIMIT	121370	12.07	453468	15.64	272008	20.47
	LOWER LIMIT	30343	11.07	113367	14.64	68002	19.47
	EPA SAMPLE NO.						
01	MS-4A	60733	11.56	216947	15.14	131009	19.98
02	MS-4B	109861	11.58	389905	15.15	236485	20.00
03	MS-2C	68147	11.59	250713	15.16	153871	20.00
04	MS-1A	60561	11.59	226087	15.16	136301	20.00
05	MS-1B	50671	11.60	196445	15.17	124179	20.00
06	MS-2E	75766	11.61	269133	15.17	172736	20.01
07	MS-1C	50312	11.61	197232	15.18	125233	20.02
08	MS-1D	56476	11.61	226521	15.18	145237	20.02
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21							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): >V0602 Date Analyzed: 10/06/94

Instrument ID: MACH 2 Time Analyzed: 0937

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	235545	24.04	117773	32.92	99507	44.41
	UPPER LIMIT	471090	24.54	235546	33.42	199014	44.91
	LOWER LIMIT	117773	23.54	58887	32.42	49754	43.91
	EPA SAMPLE NO.						
01	MS-4A	222513	24.05	105771	32.93	73695	44.45
02	MS-4B	405666	24.06	198909	32.96	126073	44.51
03	MS-2C	249165	24.08	106278	32.99	69677	44.56
04	MS-1A	203725	24.08	92862	33.04	68741	44.60
05	MS-1B	189190	24.09	90195	33.01	67713	44.64
06	MS-2E	264383	24.09	97891	33.02	65191	44.64
07	MS-1C	170683	24.10	99705	33.02	77584	44.67
08	MS-1D	222234	24.10	112228	33.02	70765	44.69
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10							
11							
12							
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14							
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16							
17							
18							
19							
20							
21							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): >V0702 Date Analyzed: 10/07/94

Instrument ID: MACH 2 Time Analyzed: 1143

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	58015	11.58	222692	15.15	131310	19.98
	UPPER LIMIT	116030	12.08	445384	15.65	262620	20.48
	LOWER LIMIT	29008	11.08	111346	14.65	65655	19.48
	EPA SAMPLE NO.						
01	MS-2A	54361	11.57	206709	15.15	126795	19.98
02	MS-2D	46699	11.57	179907	15.15	111188	19.98
03	MS-4C	47403	11.57	178978	15.14	110171	19.98
04	MS-2DMS	47264	11.57	189819	15.15	120031	19.98
05	MS-2DMSD	47295	11.57	193709	15.14	124862	19.98
06	SBLKS1	50814	11.57	195543	15.15	122651	19.98
07	SBLKW1	53325	11.57	208227	15.14	132136	19.98
08	FIELD BLANK	65426	11.58	246546	15.15	152325	19.98
09	MS-2B	48453	11.57	190067	15.14	121272	19.98
10							
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17							
18							
19							
20							
21							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): >V0702 Date Analyzed: 10/07/94

Instrument ID: MACH 2 Time Analyzed: 1143

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	220870	24.05	112044	32.92	80020	44.42
	UPPER LIMIT	441740	24.55	224088	33.42	160040	44.92
	LOWER LIMIT	110435	23.55	56022	32.42	40010	43.92
	EPA SAMPLE NO.						
01	MS-2A	204354	24.05	109205	32.93	84884	44.47
02	MS-2D	186004	24.05	98110	32.93	75943	44.43
03	MS-4C	178658	24.04	89127	32.92	71243	44.44
04	MS-2DMS	202317	24.04	107913	32.93	79772	44.44
05	MS-2DMSD	199983	24.05	108090	32.91	81993	44.44
06	SBLKS1	202984	24.05	112762	32.93	85081	44.45
07	SBLKW1	217086	24.05	111208	32.92	78394	44.45
08	FIELD BLANK	247398	24.05	118403	32.93	82871	44.44
09	MS-2B	198618	24.05	99712	32.92	76355	44.46
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19							
20							
21							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): >V1402 Date Analyzed: 10/14/94

Instrument ID: MACH 2 Time Analyzed: 1745

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	36846	10.75	132056	14.31	74209	19.12
	UPPER LIMIT	73692	11.25	264112	14.81	148418	19.62
	LOWER LIMIT	18423	10.25	66028	13.81	37105	18.62
	EPA SAMPLE NO.						
01	XXXXX	43582	10.74	167785	14.31	108897	19.12
02	XXXXX	38239	10.74	147680	14.30	93369	19.11
03	XXXXX	42495	10.73	160744	14.30	94737	19.11
04	XXXXX	44766	10.73	172256	14.30	111035	19.11
05	XXXXX	42975	10.73	166761	14.31	108906	19.11
06	XXXXX	40966	10.73	160115	14.30	103227	19.12
07	2F	44301	10.74	172137	14.31	110600	19.11
08	3A	43970	10.73	175682	14.31	111401	19.12
09	3B	36800	10.73	142948	14.31	94204	19.11
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): >V1402 Date Analyzed: 10/14/94

Instrument ID: MACH 2 Time Analyzed: 1745

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	115949	23.14	72964	31.20	61005	40.79
	UPPER LIMIT	231898	23.64	145928	31.70	122010	41.29
	LOWER LIMIT	57975	22.64	36482	30.70	30503	40.29
	EPA SAMPLE NO.						
01	XXXXX	188357	23.14	121938	31.21	87368	40.82
02	XXXXX	160854	23.13	99819	31.19	72214	40.79
03	XXXXX	109609	23.16	67848	31.22	35241	40.91
04	XXXXX	195972	23.14	118765	31.21	67052	40.81
05	XXXXX	187807	23.14	111805	31.21	72601	40.81
06	XXXXX	175532	23.15	103262	31.22	52125	40.84
07	2F	184854	23.15	125375	31.22	78882	40.84
08	3A	189678	23.14	114070	31.21	69275	40.82
09	3B	160807	23.14	98339	31.20	56506	40.82
10							
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17							
18							
19							
20							
21							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): >V1705 Date Analyzed: 10/17/94

Instrument ID: MACH 2 Time Analyzed: 1710

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	59154	10.65	225096	14.22	137233	19.02
	UPPER LIMIT	118308	11.15	450192	14.72	274466	19.52
	LOWER LIMIT	29577	10.15	112548	13.72	68617	18.52
	EPA SAMPLE NO.						
01	5A	65889	10.63	248392	14.21	153498	19.01
02	5B	60755	10.63	230250	14.21	143873	19.01
03							
04							
05							
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19							
20							
21							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Lab File ID (Standard): >V1705 Date Analyzed: 10/17/94

Instrument ID: MACH 2 Time Analyzed: 1710

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	228523	23.03	105063	31.00	83306	40.38
	UPPER LIMIT	457046	23.53	210126	31.50	166612	40.88
	LOWER LIMIT	114262	22.53	52532	30.50	41653	39.88
	EPA SAMPLE NO.						
01	5A	258208	23.02	133276	31.00	103973	40.38
02	5B	236711	23.02	124146	30.99	100025	40.36
03							
04							
05							
06							
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19							
20							
21							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) water Lab Sample ID: FIELD BLANK

Sample wt/vol: 910 (g/mL) ml Lab File ID: >V0710

Level: (low/med) low Date Received: 10/05/94

% Moisture: decanted:(Y/N) N Date Extracted: 10/06/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	11	U
111-44-4	bis(2-Chloroethyl)ether	11	U
95-57-8	2-Chlorophenol	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
95-48-7	2-Methylphenol	11	U
108-60-1	2,2'-oxybis(1-Chloropropane)	11	U
106-44-5	4-Methylphenol	11	U
621-64-7	N-Nitroso-di-n-propylamine	11	U
67-72-1	Hexachloroethane	11	U
98-95-3	Nitrobenzene	11	U
78-59-1	Isophorone	11	U
88-75-5	2-Nitrophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
111-91-1	bis(2-Chloroethoxy)methane	11	U
120-83-2	2,4-Dichlorophenol	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
91-20-3	Naphthalene	11	U
106-47-8	4-Chloroaniline	11	U
87-68-3	Hexachlorobutadiene	11	U
59-50-7	4-Chloro-3-methylphenol	11	U
91-57-6	2-Methylnaphthalene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
95-95-4	2,4,5-Trichlorophenol	27	U
91-58-7	2-Chloronaphthalene	11	U
88-74-4	2-Nitroaniline	27	U
131-11-3	Dimethylphthalate	11	U
208-96-8	Acenaphthylene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
[illegible]-09-2	3-Nitroaniline	27	U
83-32-9	Acenaphthene	11	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) water Lab Sample ID: FIELD BLANK

Sample wt/vol: 910 (g/mL) ml Lab File ID: >V0710

Level: (low/med) low Date Received: 10/05/94

% Moisture: decanted:(Y/N) N Date Extracted: 10/06/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	27	U
100-02-7	4-Nitrophenol	27	U
132-64-9	Dibenzofuran	11	U
21-14-2	2,4-Dinitrotoluene	11	U
66-2	Diethylphthalate	11	U
7005-72-3	4-chlorophenyl-phenylether	11	U
86-73-7	Fluorene	11	U
100-01-6	4-Nitroaniline	27	U
534-52-1	4,6-Dinitro-2-methylphenol	27	U
86-30-6	N-Nitrosodiphenylamine (1)	11	U
101-55-3	4-Bromophenyl-phenylether	11	U
118-74-1	Hexachlorobenzene	11	U
87-86-5	Pentachlorophenol	27	U
85-01-8	Phenanthrene	11	U
120-12-7	Anthracene	11	U
86-74-8	Carbazole	11	U
84-74-2	Di-n-butylphthalate	11	U
206-44-0	Fluoranthene	11	U
129-00-0	Pyrene	11	U
85-68-7	Butylbenzylphthalate	11	U
91-94-1	3,3'-Dichlorobenzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
218-01-9	Chrysene	11	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	U
117-84-0	Di-n-octylphthalate	11	U
205-99-2	Benzo(b)fluoranthene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
50-32-8	Benzo(a)pyrene	11	U
193-39-5	Indeno(1,2,3-cd)pyrene	11	U
53-70-3	Dibenz(a,h)anthracene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FIELD BLANK

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) water Lab Sample ID: FIELD BLANK

Sample wt/vol: 910 (g/mL) ml Lab File ID: >V0710

Level: (low/med) low Date Received: 10/05/94

% Moisture: decanted:(Y/N) N Date Extracted: 10/06/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
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23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Operator ID: ANDY
Output File: ^V0710::A5
Data File: >V0710::A1
Name: E1005-02
Misc: FIELD BLANK 910ML

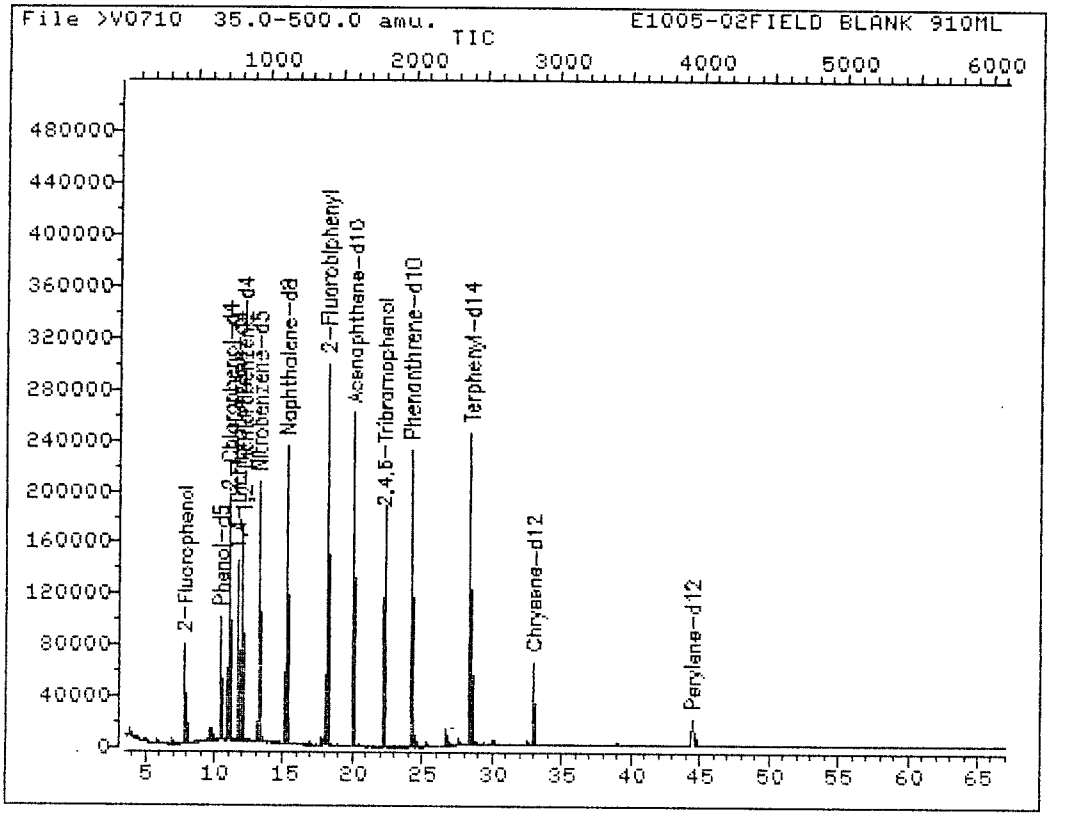
Quant Rev: 7
Quant Time: 941010 09:22
Injected at: 941007 21:57
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL#11

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941007 11:43

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.58	152.0	65426	20.00	UG/ML	57
2)	2-Fluorophenol	7.79	112.0	90080	28.18	UG/ML	81
3)	Phenol-d5	10.38	99.0	84616	19.09	UG/ML	90
4)	2-Chlorophenol-d4	10.93	132.0	142424	42.53	UG/ML	86
5)	1,2-Dichlorobenzene-d4	12.02	152.0	74386	31.65	UG/ML	54
17)	*Naphthalene-d8	15.15	136.0	246546	20.00	UG/ML	95
18)	Nitrobenzene-d5	13.12	82.0	158128	36.58	UG/ML	56
31)	*Acenaphthene-d10	19.98	164.0	152325	20.00	UG/ML	96
36)	2-Fluorobiphenyl	18.06	172.0	237758	32.02	UG/ML	95
51)	*Phenanthrene-d10	24.05	188.0	247398	20.00	UG/ML	96
54)	2,4,6-Tribromophenol	22.11	330.0	80190	62.19	UG/ML	92
63)	*Chrysene-d12	32.93	240.0	118403	20.00	UG/ML	98
65)	Terphenyl-d14	28.35	244.0	290257	46.52	UG/ML	80
71)	*Perylene-d12	44.44	264.0	82871	20.00	UG/ML	94

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V0710
Name: E1005-02
Misc: FIELD BLANK 910ML

Quant Output File: ^V0710::A5
Instrument ID: MACH-2

BTL#11

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07

Last Qcal Time: 941007 11:43

Operator ID: ANDY
Quant Time : 941010 09:22
Injected at: 941007 21:57

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-1A

Lab Name: New England Testing Lab

Contract: G+H RD/RA

Lab Code: RI010

Case No.:

SAS No.:

SDG No.: NETL19-1

Matrix: (soil/water) soil

Lab Sample ID: 1A

Sample wt/vol: 50.3 (g/mL) g

Lab File ID: >V0607

Level: (low/med) low

Date Received: 10/05/94

% Moisture: 22

decanted:(Y/N) N

Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/06/94

Injection Volume: 2 (uL)

Dilution Factor: 1X

GPC Cleanup: (Y/N) N

pH: 5.7

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
56-55-3	Benzo(a)anthracene	38	U
218-01-9	Chrysene	38	U
205-99-2	Benzo(b)fluoranthene	38	U
7-08-9	Benzo(k)fluoranthene	38	U
0-32-8	Benzo(a)pyrene	38	U
193-39-5	Indeno(1,2,3-cd)pyrene	38	U
53-70-3	Dibenz(a,h)anthracene	38	U

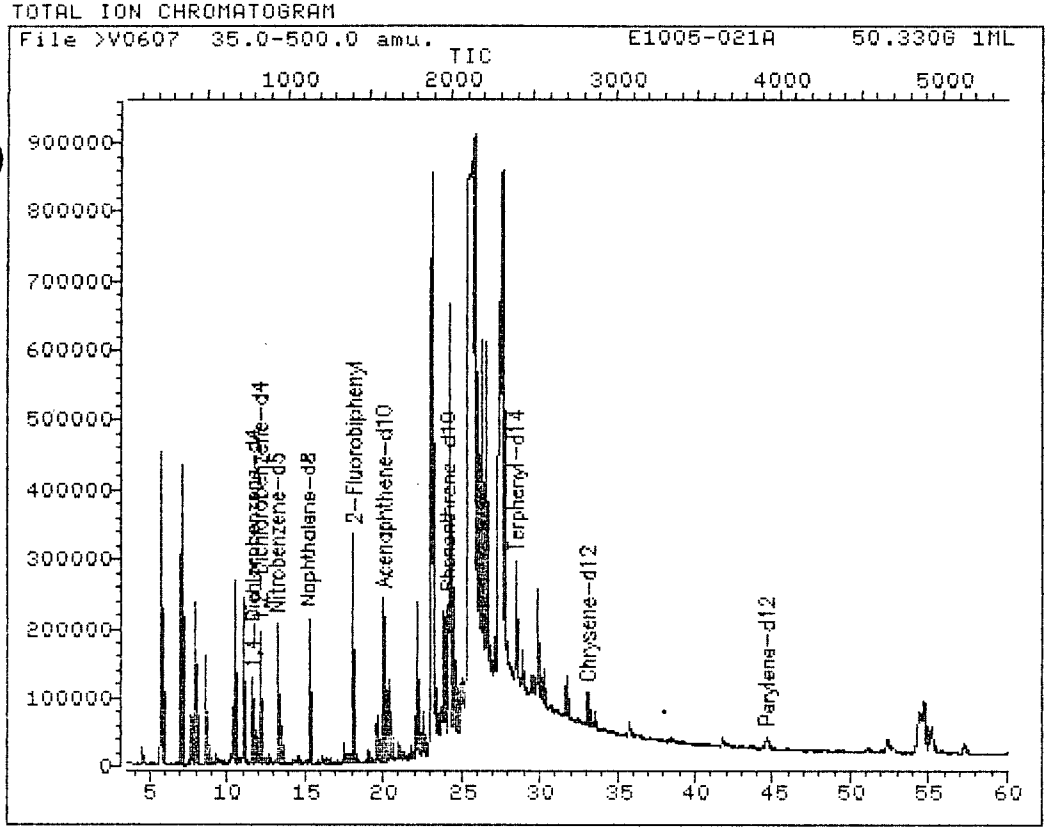
Operator ID: ANDY
Quant Rev: 7 Quant Time: 941006 17:35
Output File: ^V0607::A5
Injected at: 941006 16:20
Data File: >V0607::A0
Dilution Factor: 1.00000
Name: E1005-02
Instrument ID: MACH-2
Misc: 1A 50.330G 1ML
BTL# 8

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941006 09:37

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.59	152.0	60561	20.00	UG/ML	66
5)	1,2-Dichlorobenzene-d4	12.03	152.0	85133	35.32	UG/ML	57
17)	*Naphthalene-d8	15.16	136.0	226087	20.00	UG/ML	98
18)	Nitrobenzene-d5	13.14	82.0	149782	37.03	UG/ML	54
31)	*Acenaphthene-d10	20.00	164.0	136301	20.00	UG/ML	97
36)	2-Fluorobiphenyl	18.08	172.0	262959	35.77	UG/ML	94
51)	*Phenanthrene-d10	24.08	188.0	203725	20.00	UG/ML	92
63)	*Chrysene-d12	33.04	240.0	92862	20.00	UG/ML	98
65)	Terphenyl-d14	28.41	244.0	220487	39.18	UG/ML	82
71)	*Perylene-d12	44.60	264.0	68741	20.00	UG/ML	93

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V0607 Quant Output File: ^V0607::A5
Name: E1005-02 Instrument ID: MACH-2
Misc: 1A 50.330G 1ML BTL# 8

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941006 09:37

Operator ID: ANDY
Quant Time : 941006 17:35
Injected at: 941006 16:20

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-1B

Lab Name: New England Testing Lab

Contract: G+H RD/RA

Lab Code: RI010

Case No.:

SAS No.:

SDG No.: NETL19-1

Matrix: (soil/water) soil

Lab Sample ID: 1B

Sample wt/vol: 50.2 (g/mL) g

Lab File ID: >V0608

Level: (low/med) low

Date Received: 10/05/94

% Moisture: 47

decanted:(Y/N) N

Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/06/94

Injection Volume: 2 (uL)

Dilution Factor: 1X

GPC Cleanup: (Y/N) N

pH: 5.5

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
56-55-3	Benzo(a)anthracene	56	U
218-01-9	Chrysene	56	U
205-99-2	Benzo(b)fluoranthene	56	U
7-08-9	Benzo(k)fluoranthene	56	U
0-32-8	Benzo(a)pyrene	56	U
193-39-5	Indeno(1,2,3-cd)pyrene	56	U
53-70-3	Dibenz(a,h)anthracene	56	U

Operator ID: ANDY
Output File: ^V0608::A5
Data File: >V0608::A0
Name: R1005-02
Misc: 1B 50.206G 1ML

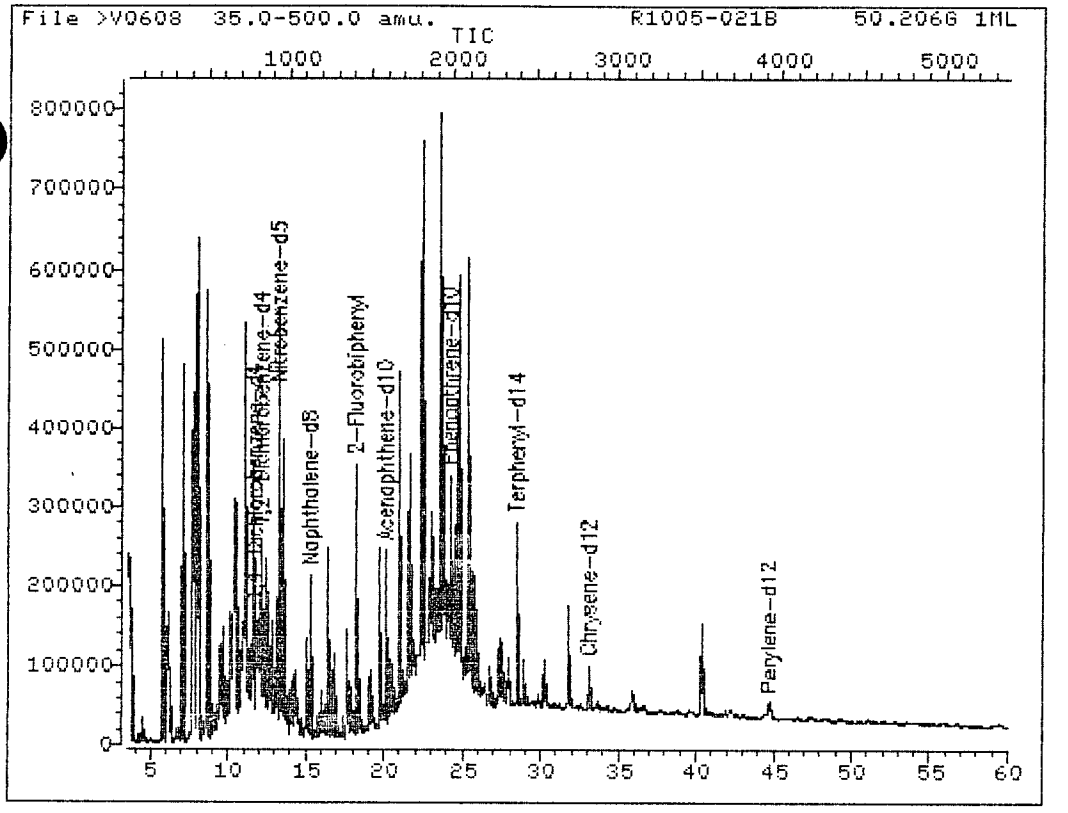
Quant Rev: 7
Quant Time: 941006 19:47
Injected at: 941006 17:25
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 9

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941006 09:37

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.60	152.0	50671	20.00	UG/ML	61
5)	1,2-Dichlorobenzene-d4	12.04	152.0	80598	39.96	UG/ML	58
17)	*Naphthalene-d8	15.17	136.0	196445	20.00	UG/ML	98
18)	Nitrobenzene-d5	13.15	82.0	116714	33.20	UG/ML	54
31)	*Acenaphthene-d10	20.00	164.0	124179	20.00	UG/ML	97
36)	2-Fluorobiphenyl	18.08	172.0	269073	40.17	UG/ML	95
51)	*Phenanthrene-d10	24.09	188.0	189190	20.00	UG/ML	94
63)	*Chrysene-d12	33.01	240.0	90195	20.00	UG/ML	98
65)	Terphenyl-d14	28.38	244.0	271729	49.72	UG/ML	81
71)	*Perylene-d12	44.64	264.0	67713	20.00	UG/ML	94

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V0608 Quant Output File: ^V0608::A5
Name: R1005-02 Instrument ID: MACH-2
Misc: 1B 50.206G 1ML BTL# 9

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941006 09:37

Operator ID: ANDY
Quant Time : 941006 19:47
Injected at: 941006 17:25

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-1C

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 1C

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0610

Level: (low/med) low Date Received: 10/05/94

% Moisture: 27 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	272	U
111-44-4	bis(2-Chloroethyl)ether	272	U
95-57-8	2-Chlorophenol	272	U
541-73-1	1,3-Dichlorobenzene	272	U
106-46-7	1,4-Dichlorobenzene	272	U
95-50-1	1,2-Dichlorobenzene	526	
95-48-7	2-Methylphenol	272	U
108-60-1	2,2'-oxybis(1-Chloropropane)	272	U
106-44-5	4-Methylphenol	272	U
621-64-7	N-Nitroso-di-n-propylamine	272	U
67-72-1	Hexachloroethane	272	U
98-95-3	Nitrobenzene	272	U
78-59-1	Isophorone	272	U
88-75-5	2-Nitrophenol	272	U
105-67-9	2,4-Dimethylphenol	272	U
111-91-1	bis(2-Chloroethoxy)methane	272	U
120-83-2	2,4-Dichlorophenol	272	U
120-82-1	1,2,4-Trichlorobenzene	272	U
91-20-3	Naphthalene	272	U
106-47-8	4-Chloroaniline	272	U
87-68-3	Hexachlorobutadiene	272	U
59-50-7	4-Chloro-3-methylphenol	272	U
91-57-6	2-Methylnaphthalene	272	U
77-47-4	Hexachlorocyclopentadiene	272	U
88-06-2	2,4,6-Trichlorophenol	272	U
95-95-4	2,4,5-Trichlorophenol	681	U
91-58-7	2-Chloronaphthalene	272	U
88-74-4	2-Nitroaniline	681	U
131-11-3	Dimethylphthalate	272	U
208-96-8	Acenaphthylene	272	U
606-20-2	2,6-Dinitrotoluene	272	U
99-09-2	3-Nitroaniline	681	U
83-32-9	Acenaphthene	272	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-1C

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 1C

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0610

Level: (low/med) low Date Received: 10/05/94

% Moisture: 27 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	681	U
100-02-7	4-Nitrophenol	681	U
132-64-9	Dibenzofuran	272	U
121-14-2	2,4-Dinitrotoluene	272	U
66-2	Diethylphthalate	272	U
7005-72-3	4-chlorophenyl-phenylether	272	U
86-73-7	Fluorene	272	U
100-01-6	4-Nitroaniline	681	U
534-52-1	4,6-Dinitro-2-methylphenol	681	U
86-30-6	N-Nitrosodiphenylamine (1)	272	U
101-55-3	4-Bromophenyl-phenylether	272	U
118-74-1	Hexachlorobenzene	272	U
87-86-5	Pentachlorophenol	681	U
85-01-8	Phenanthrene	63	J
120-12-7	Anthracene	272	U
86-74-8	Carbazole	272	U
84-74-2	Di-n-butylphthalate	291	B
206-44-0	Fluoranthene	43	J
129-00-0	Pyrene	272	U
85-68-7	Butylbenzylphthalate	272	U
91-94-1	3,3'-Dichlorobenzidine	272	U
56-55-3	Benzo(a)anthracene	41	U
218-01-9	Chrysene	41	U
117-81-7	bis(2-Ethylhexyl)phthalate	45	J
117-84-0	Di-n-octylphthalate	272	U
205-99-2	Benzo(b)fluoranthene	41	U
207-08-9	Benzo(k)fluoranthene	41	U
50-32-8	Benzo(a)pyrene	41	U
193-39-5	Indeno(1,2,3-cd)pyrene	41	U
53-70-3	Dibenz(a,h)anthracene	41	U
191-24-2	Benzo(g,h,i)perylene	272	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MS-1C

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 1C

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0610

Level: (low/med) low Date Received: 10/05/94

% Moisture: 27 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.7

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALKYL SUBSTITUTED HYDROCARBON	5.74	3666	J
2.		UNKNOWN HYDROCARBON	7.05	1743	J
3.		AROMATIC HYDROCARBON	8.58	1715	J
4.		ALKYL SUBSTITUTED HYDROCARBON	9.62	539	J
5.	556-67-2	OCTAMETHYL-CYCLOTETRASILOXANE	10.29	506	J
6.		ALKYL SUBSTITUTED HYDROCARBON	11.04	2472	J
7.		ALKYL SUBSTITUTED HYDROCARBON	11.52	942	J
8.		ALKYL SUBSTITUTED HYDROCARBON	11.97	515	J
9.		ALKYL SUBSTITUTED AROMATIC	12.33	541	J
10.		ALKYL SUBSTITUTED AROMATIC	12.43	694	J
11.	541-2-6	DECAMETHYL-CYCLOPENTASILOXANE	13.48	1058	J
12.		ALKYL SUBSTITUTED HYDROCARBON	19.63	528	J
13.		ALKYL SUBSTITUTED HYDROCARBON	20.99	1167	J
14.		ALKYL SUBSTITUTED HYDROCARBON	21.58	877	J
15.		UNKNOWN HYDROCARBON	22.27	2169	J
16.		UNKNOWN HYDROCARBON	23.47	2108	J
17.		UNKNOWN HYDROCARBON	23.55	1110	J
18.		UNKNOWN HYDROCARBON	24.61	1311	J
19.		ALKYL SUBSTITUTED ALCOHOL	31.68	925	J
20.		UNKNOWN HYDROCARBON	40.30	2137	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Operator ID: ANDY
Output File: ^V0610::A5
Data File: >V0610::A0
Name: E1005-02
Misc: 1C 50.280G 1ML

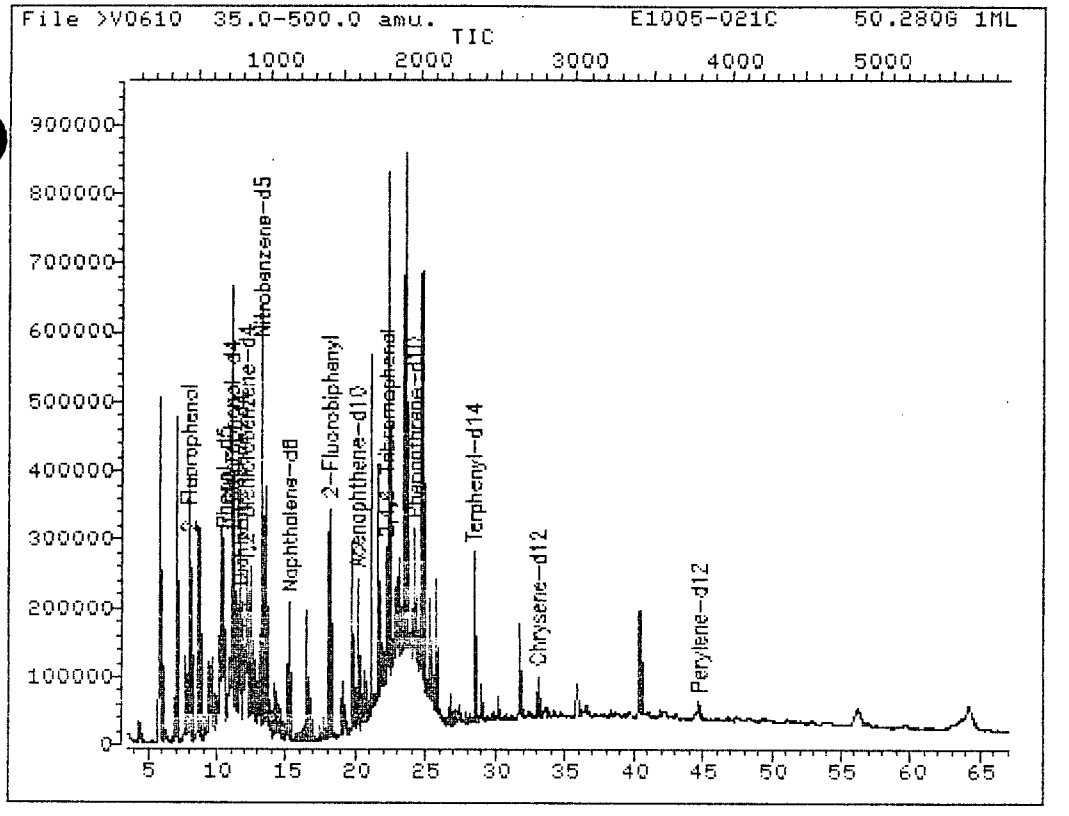
Quant Rev: 7
Quant Time: 941006 20:45
Injected at: 941006 19:37
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL#11

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941006 09:37

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.61	152.0	50312	20.00	UG/ML	63
2)	2-Fluorophenol	7.90	112.0	116036	42.08	UG/ML	85
3)	Phenol-d5	10.45	99.0	185293	51.18	UG/ML	90
4)	2-Chlorophenol-d4	10.98	132.0	140002	48.93	UG/ML	93
5)	1,2-Dichlorobenzene-d4	12.06	152.0	82760	41.32	UG/ML	56
11)	1,2-Dichlorobenzene	12.10	146.0	61139	19.31	UG/ML	95
17)	*Naphthalene-d8	15.18	136.0	197232	20.00	UG/ML	98
18)	Nitrobenzene-d5	13.15	82.0	107863	30.56	UG/ML	52
31)	*Acenaphthene-d10	20.02	164.0	125233	20.00	UG/ML	96
36)	2-Fluorobiphenyl	18.10	172.0	273943	40.56	UG/ML	95
51)	*Phenanthrene-d10	24.10	188.0	170683	20.00	UG/ML	94
54)	2,4,6-Tribromophenol	22.16	330.0	80432	88.35	UG/ML	94
58)	Phenanthrene	24.16	178.0	17984	2.32	UG/ML	92
61)	Di-n-butylphthalate	25.39	149.0	104559	10.68	UG/ML	96
62)	Fluoranthene	27.41	202.0	10838	1.57	UG/ML	87
63)	*Chrysene-d12	33.02	240.0	99705	20.00	UG/ML	98
65)	Terphenyl-d14	28.40	244.0	306162	50.68	UG/ML	81
70)	bis(2-Ethylhexyl)phthalate	32.48	149.0	9037	1.65	UG/ML	99
71)	*Perylene-d12	44.67	264.0	77584	20.00	UG/ML	93

* Compound is ISTD

TOTAL ION CHROMATOGRAM

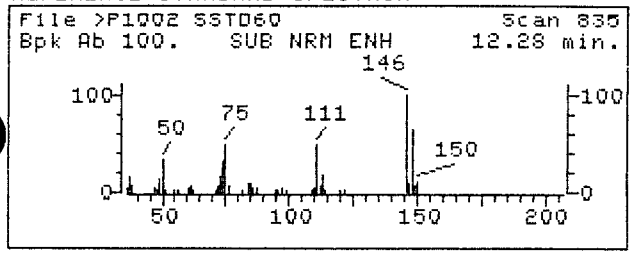


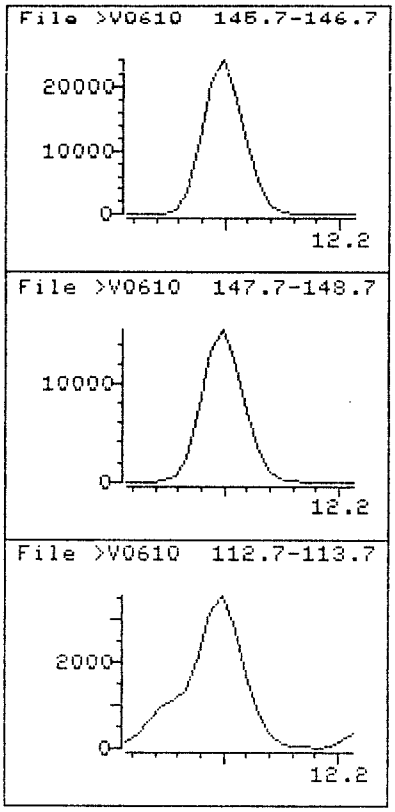
Data File: >V0610 Quant Output File: ^V0610::A5
Name: E1005-02 Instrument ID: MACH-2
Misc: 1C 50.280G 1ML BTL#11

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941006 09:37

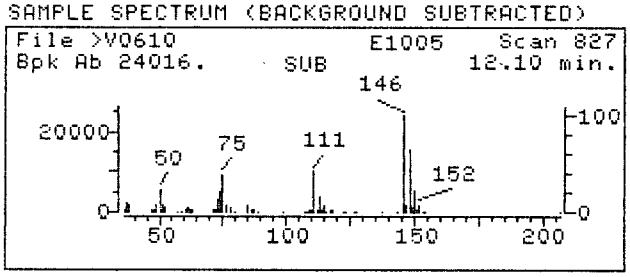
Operator ID: ANDY
Quant Time : 941006 20:45
Injected at: 941006 19:37

REFERENCE STANDARD SPECTRUM





SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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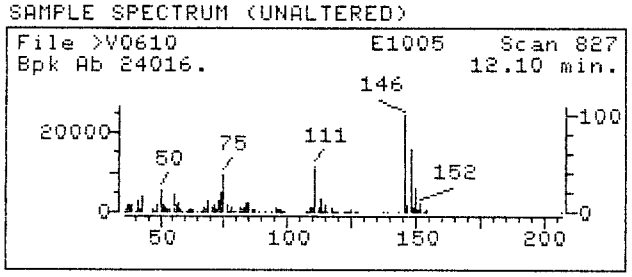
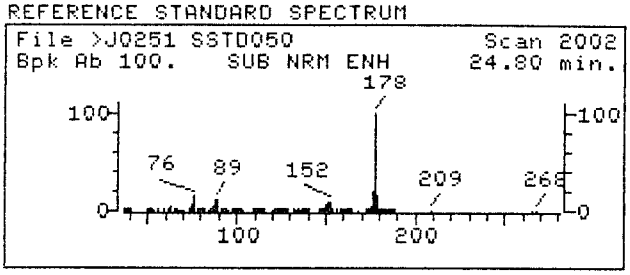


Data File: >V0610
Name: E1005-02
Misc: 1C 50.280G 1ML
Quant Time: 941006 20:45
Injected at: 941006 19:37
Last Qcal Time: 941006 09:37

Quant Output File: ^V0610::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 11
Compound Name : 1,2-Dichlorobenzene
Scan Number : 827
Retention Time: 12.10 min.
Quant Ion : 146.0
Area : 61139
Concentration : 19.31 UG/ML
q-value : 95

REFERENCE STANDARD SPECTRUM



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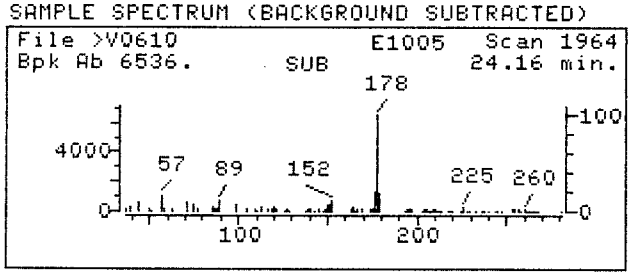

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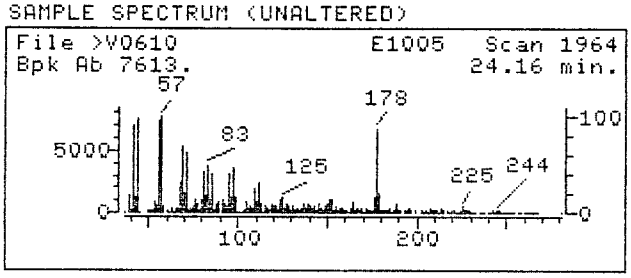
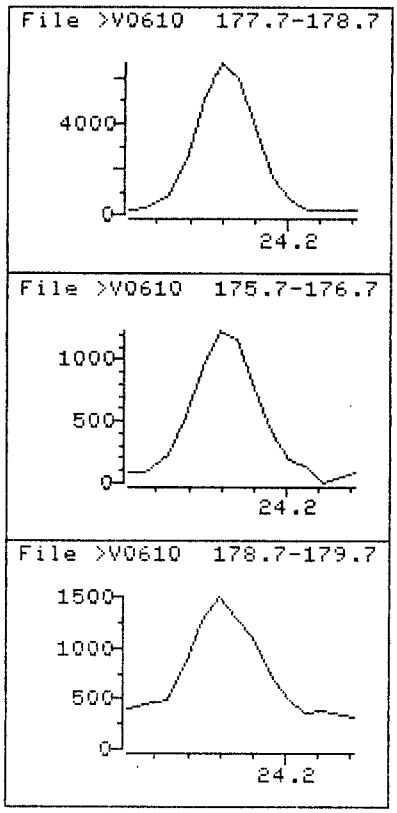


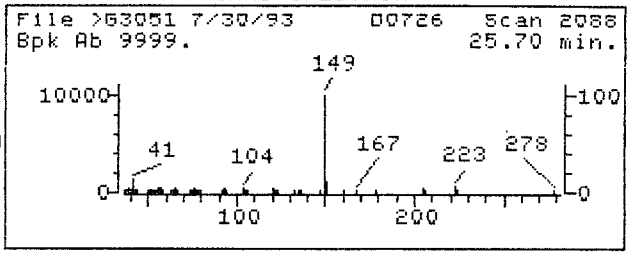


Data File: >V0610
Name: E1005-02
Misc: 1C 50.280G 1ML
Quant Time: 941006 20:45
Injected at: 941006 19:37
Last Qcal Time: 941006 09:37

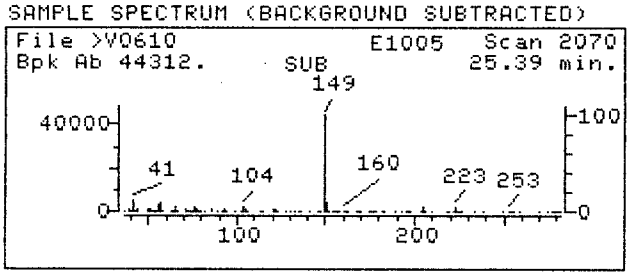
Quant Output File: ^V0610::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 58
Compound Name : Phenanthrene
Scan Number : 1964
Retention Time: 24.16 min.
Quant Ion : 178.0
Area : 17984
Concentration : 2.32 UG/ML
q-value : 92

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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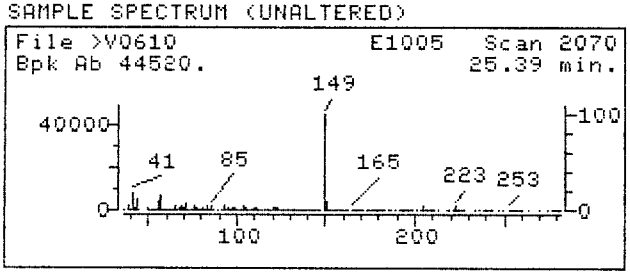
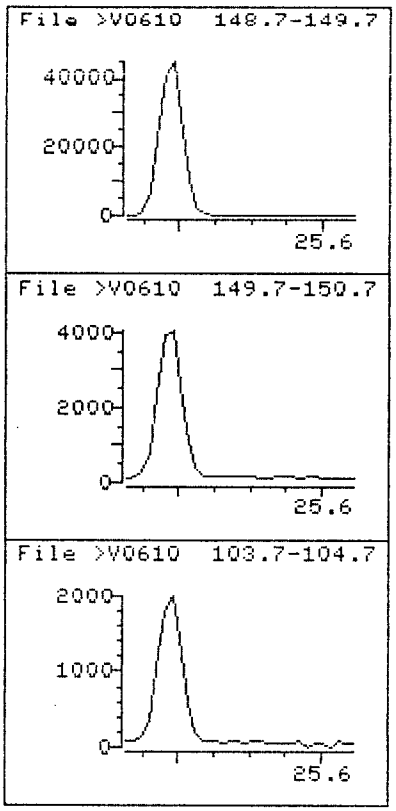


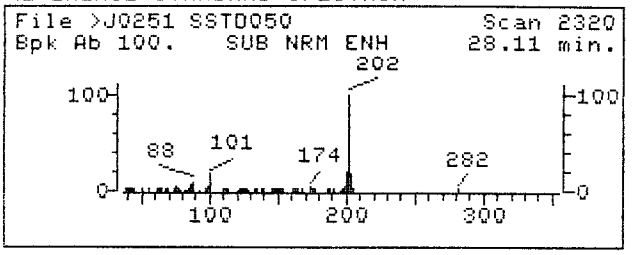


Data File: >V0610
Name: E1005-02
Misc: 1C 50.280G 1ML
Quant Time: 941006 20:45
Injected at: 941006 19:37
Last Qcal Time: 941006 09:37

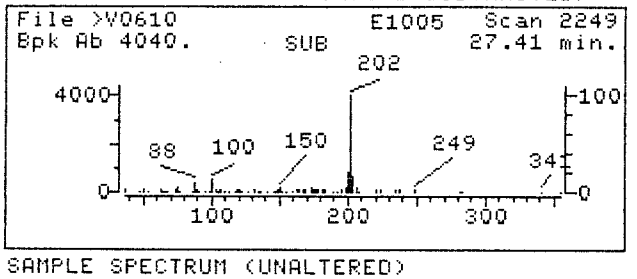
Quant Output File: ^V0610::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 61
Compound Name : Di-n-butylphthalate
Scan Number : 2070
Retention Time: 25.39 min.
Quant Ion : 149.0
Area : 104559
Concentration : 10.68 UG/ML
q-value : 96

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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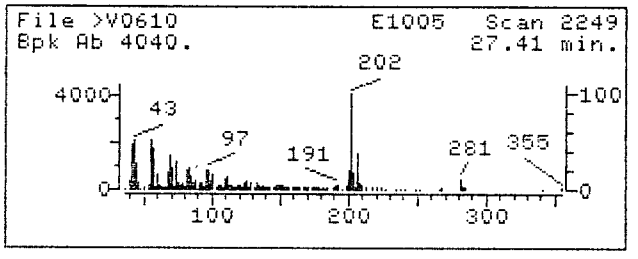
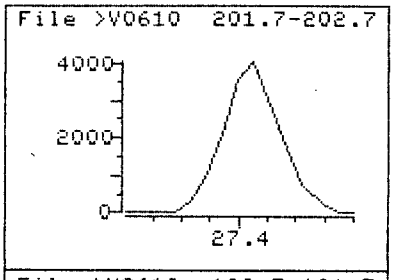
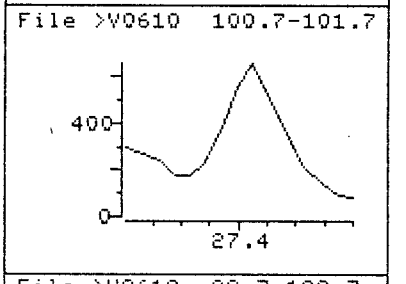
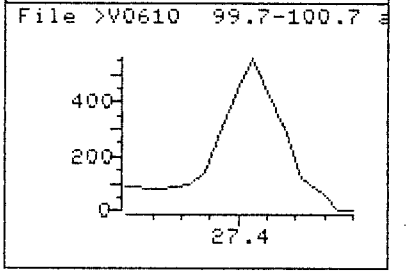






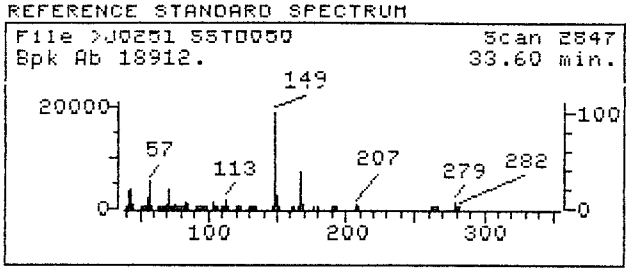


Data File: >V0610
Name: E1005-02
Misc: 1C 50.280G 1ML
Quant Time: 941006 20:45
Injected at: 941006 19:37
Last Qcal Time: 941006 09:37

Quant Output File: ^V0610::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 62
Compound Name : Fluoranthene
Scan Number : 2249
Retention Time: 27.41 min.
Quant Ion : 202.0
Area : 10838
Concentration : 1.57 UG/ML
q-value : 87

REFERENCE STANDARD SPECTRUM



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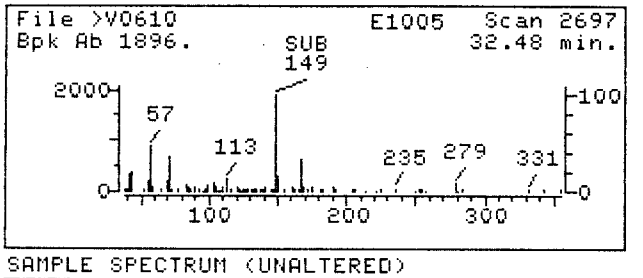

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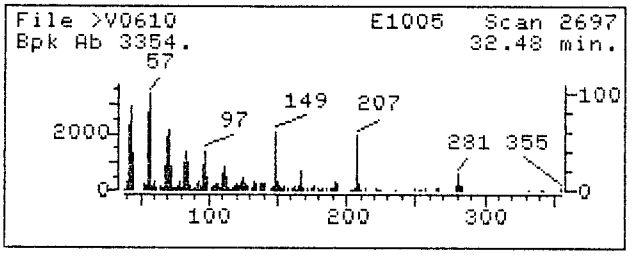
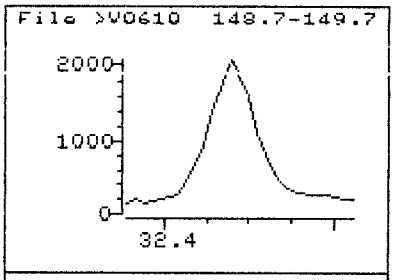
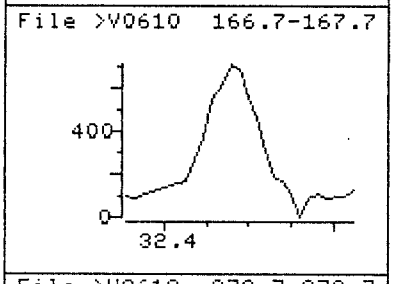
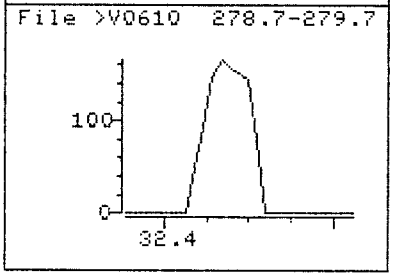






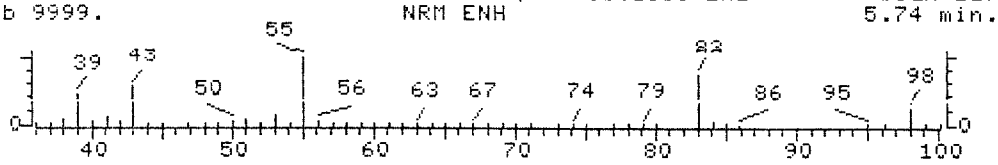


Data File: >V0610
Name: E1005-02
Misc: 1C 50.280G 1ML
Quant Time: 941006 20:45
Injected at: 941006 19:37
Last Qcal Time: 941006 09:37

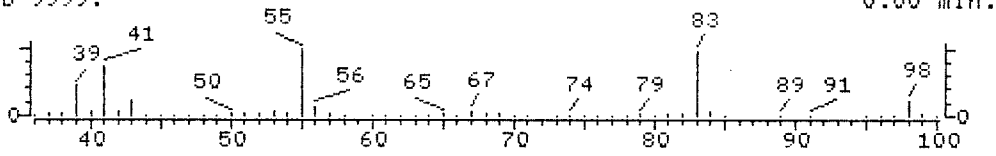
Quant Output File: ^V0610::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 70
Compound Name : bis(2-Ethylhexyl)phthalate
Scan Number : 2697
Retention Time: 32.48 min.
Quant Ion : 149.0
Area : 9037
Concentration : 1.65 UG/ML
q-value : 99

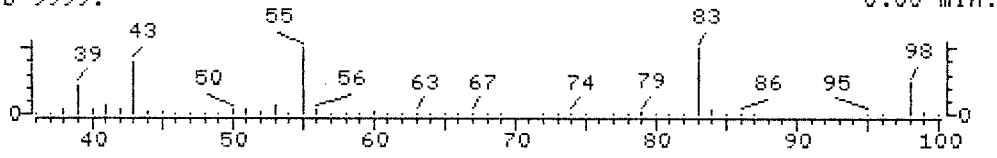
File >V0610 E1005-021C 50.2806 1ML Scan 217
Bpk Ab 9999. NRM ENH 5.74 min.



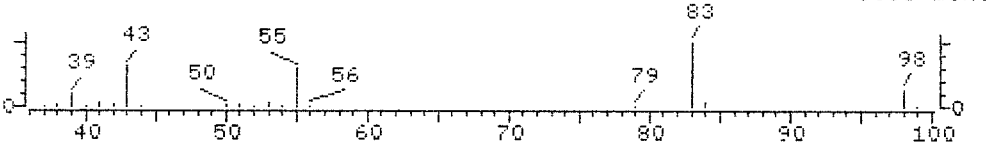
File >BIGDB Cyclopropane, 1,1,2,2-tetramethyl- (8CI9CI) Scan 5593
Bpk Ab 9999. 0.00 min.



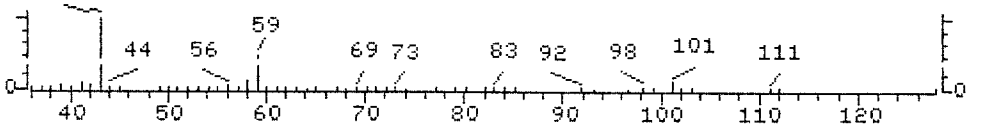
File >BIGDB 3-Penten-2-one, 4-methyl- (8CI9CI) Scan 8486
Bpk Ab 9999. 0.00 min.



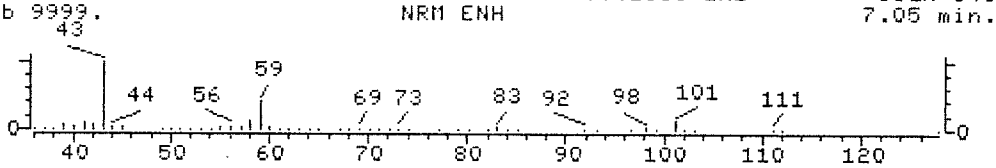
File >BIGDB 3-Hexen-2-one (8CI9CI) Scan 5591
Bpk Ab 9999. 0.00 min.



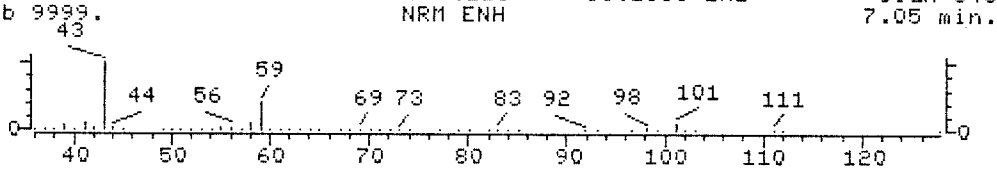
File >V0610 E1005-021C 50.280G 1ML Scan 343
Bpk Ab 9999. NRM ENH 7.05 min.



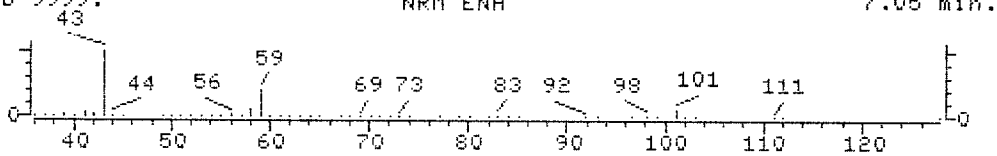
File >V0610 E1005-021C 50.280G 1ML Scan 343
Bpk Ab 9999. NRM ENH 7.05 min.



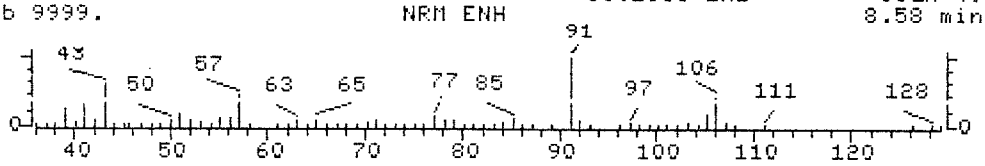
File >V0610 E1005-021C 50.280G 1ML Scan 343
Bpk Ab 9999. NRM ENH 7.05 min.



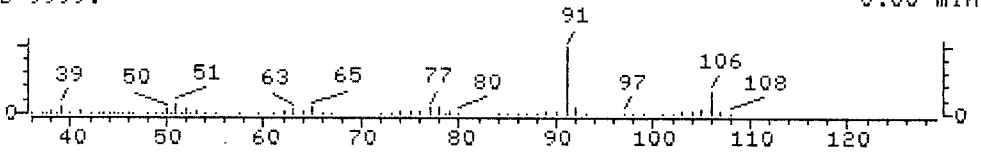
File >V0610 E1005-021C 50.280G 1ML Scan 343
Bpk Ab 9999. NRM ENH 7.05 min.



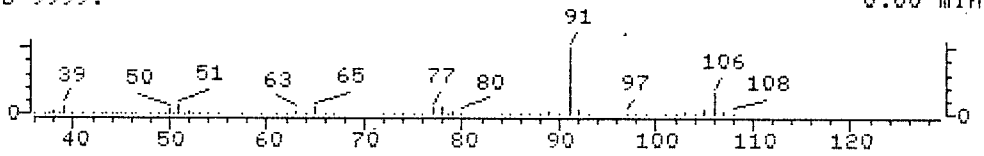
File >V0610 E1005-021C 50.280G 1ML Scan 490
Bpk Ab 9999. NRM ENH 8.58 min.



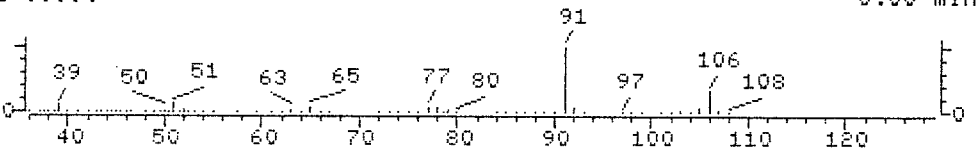
File PRIPOL Benzene, ethyl- Scan 67
Bpk Ab 9999. 0.00 min.



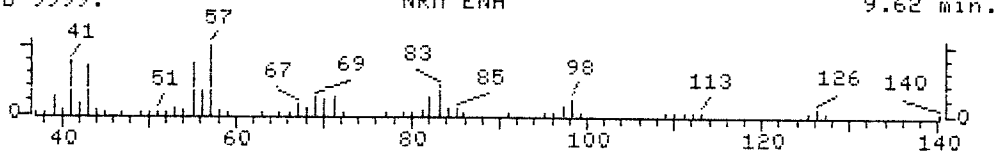
File PRIPOL Benzene, ethyl- Scan 67
Bpk Ab 9999. 0.00 min.



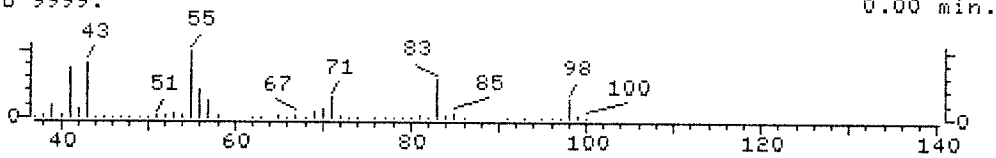
File PRIPOL Benzene, ethyl- Scan 67
Bpk Ab 9999. 0.00 min.



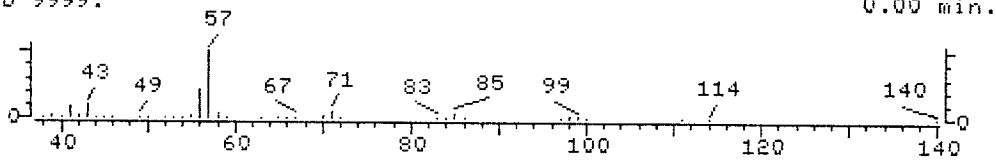
File >V0610 E1005-021C 50.280G 1ML Scan 590
Bpk Ab 9999. NRM ENH 9.62 min.



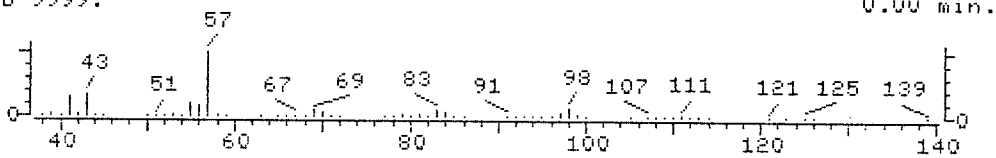
File >BIGDB Cyclopropane, 1,1,2,3-tetramethyl- (9CI) Scan 8532
Bpk Ab 9999. 0.00 min.



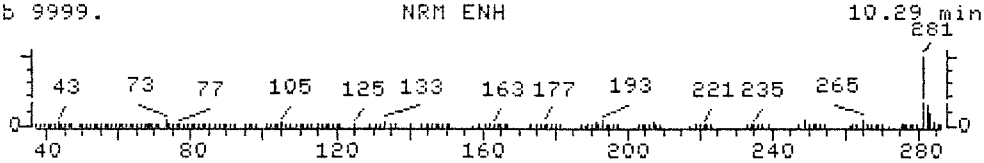
File >BIGDB Octane, 2,2,6-trimethyl- (9CI) Scan 1027
Bpk Ab 9999. 0.00 min.



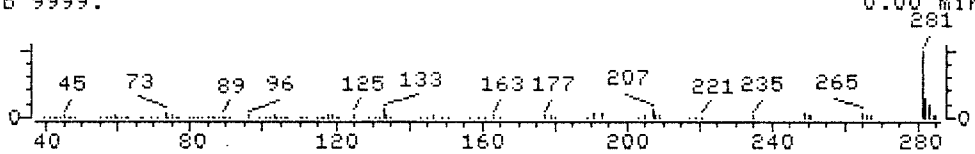
File >BIGDB 1-Octyn-3-ol, 4-ethyl- (8CI9CI) Scan 8509
Bpk Ab 9999. 0.00 min.



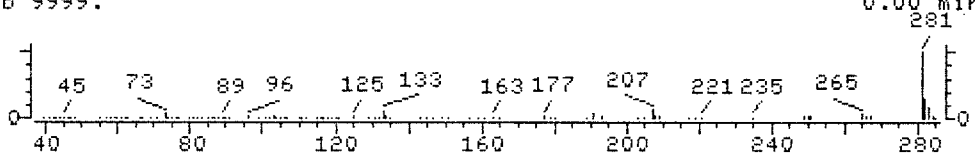
File >V0610 E1005-021C 50.2806 1ML Scan 654
Bpk Ab 9999. NRM ENH 10.29 min.



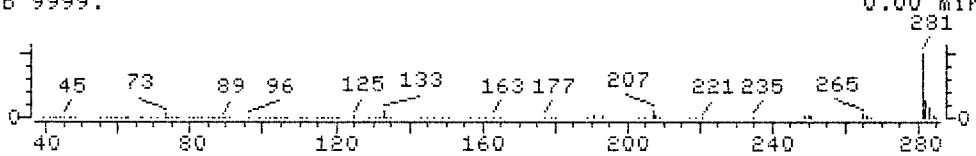
File >BIGDB Cyclotetrasiloxane, octamethyl- (8CI9CI) Scan 32181
Bpk Ab 9999. 0.00 min.



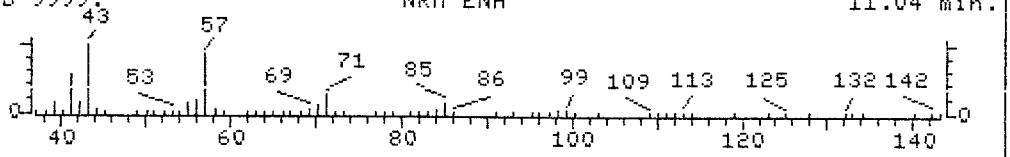
File >BIGDB Cyclotetrasiloxane, octamethyl- (8CI9CI) Scan 32181
Bpk Ab 9999. 0.00 min.



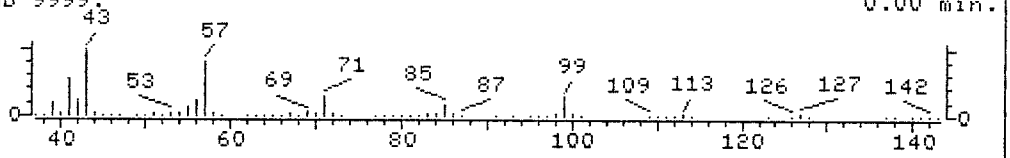
File >BIGDB Cyclotetrasiloxane, octamethyl- (8CI9CI) Scan 32181
Bpk Ab 9999. 0.00 min.



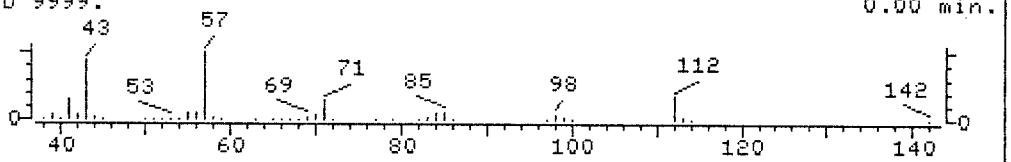
File >V0610 E1005-021C 50.280G 1ML Scan 726
Bpk Ab 9999. NRM ENH 11.04 min.



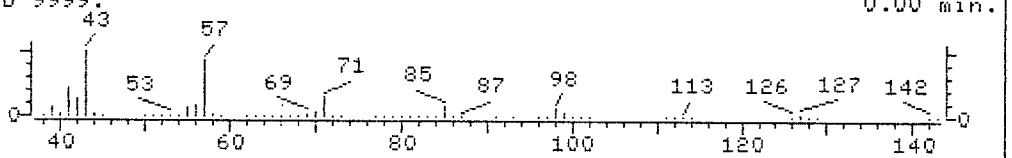
File >BIGDB Octane, 2,7-dimethyl- (8CI9CI) Scan 8726
Bpk Ab 9999. 0.00 min.

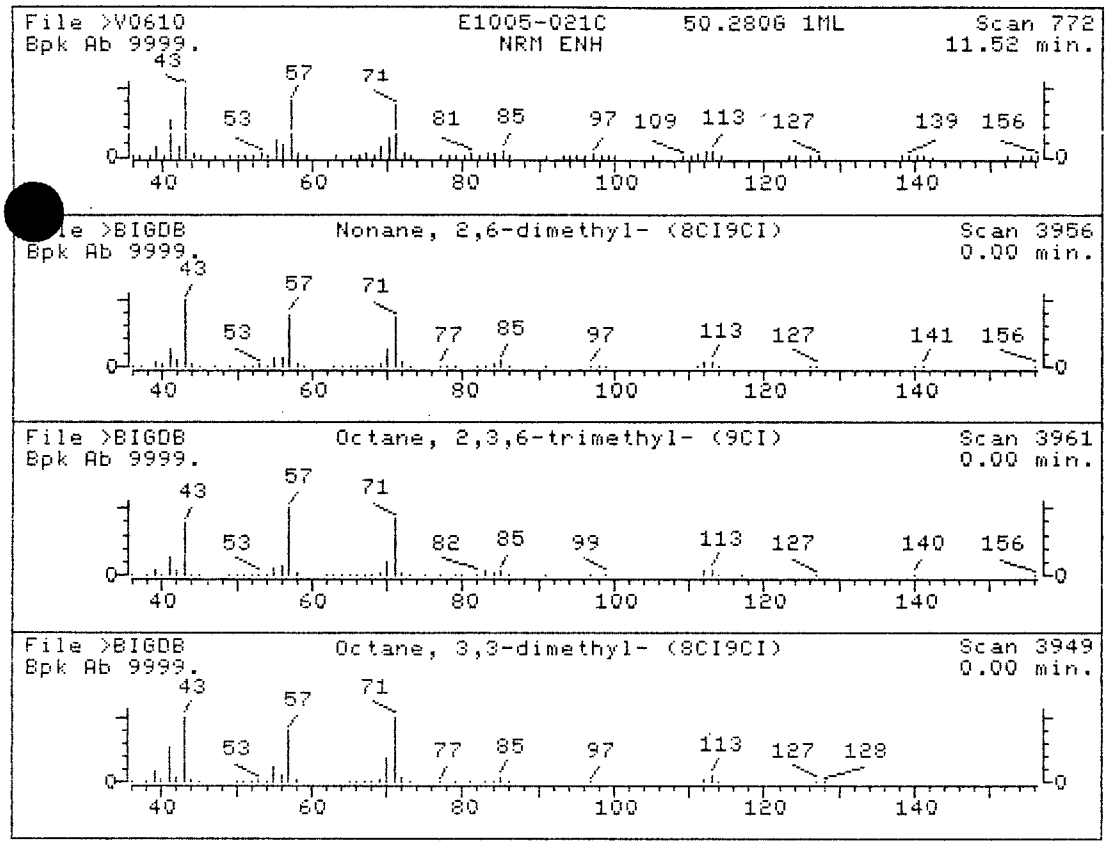


File >BIGDB Octane, 4-ethyl- (8CI9CI) Scan 10847
Bpk Ab 9999. 0.00 min.

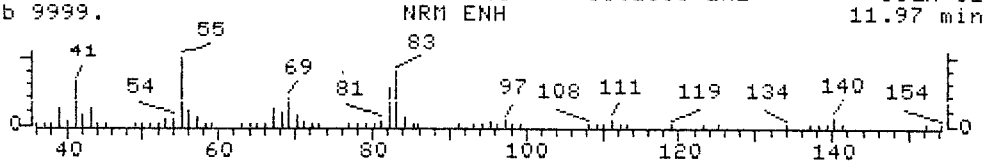


File >BIGDB Nonane, 2-methyl- (8CI9CI) Scan 8635
Bpk Ab 9999. 0.00 min.

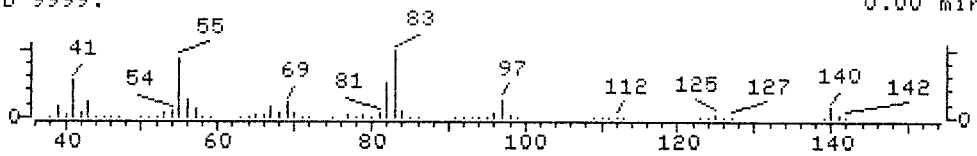



File >V0610
E1005-021C 50.2806 1ML
Scan 772
Bpk Ab 9999.
NRM ENH
11.52 min.
43 57 71 53 81 85 97 109 113 127 139 156
File >BIGDB
Nonane, 2,6-dimethyl- (8CI9CI)
Scan 3956
Bpk Ab 9999.
0.00 min.
43 57 71 53 77 85 97 113 127 141 156
File >BIGDB
Octane, 2,3,6-trimethyl- (9CI)
Scan 3961
Bpk Ab 9999.
0.00 min.
43 57 71 53 82 85 99 113 127 140 156
File >BIGDB
Octane, 3,3-dimethyl- (8CI9CI)
Scan 3949
Bpk Ab 9999.
0.00 min.
43 57 71 53 77 85 97 113 127 128
40 60 80 100 120 140

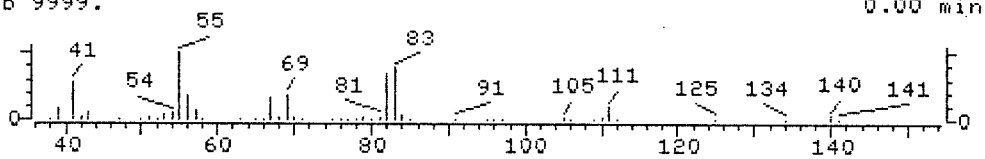
File >V0610 E1005-021C 50.280G 1ML Scan 815
Bpk Ab 9999. NRM ENH 11.97 min.



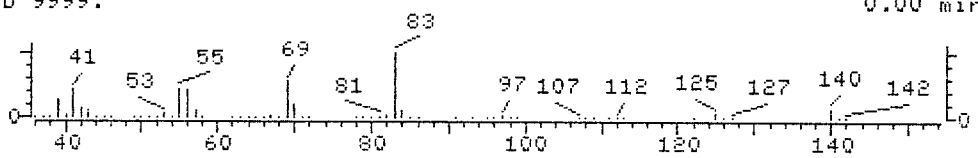
File >BIGDB Cyclohexane, (2-methylpropyl)- (9CI) Scan 5636
Bpk Ab 9999. 0.00 min.



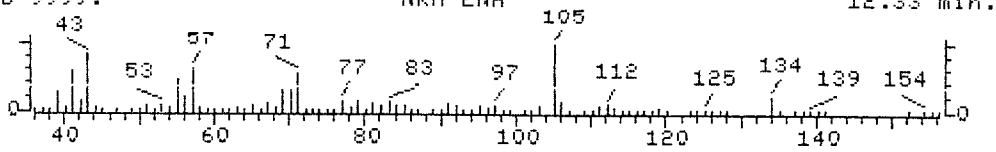
File >BIGDB Cyclohexane, (1-methylpropyl)- (9CI) Scan 5637
Bpk Ab 9999. 0.00 min.



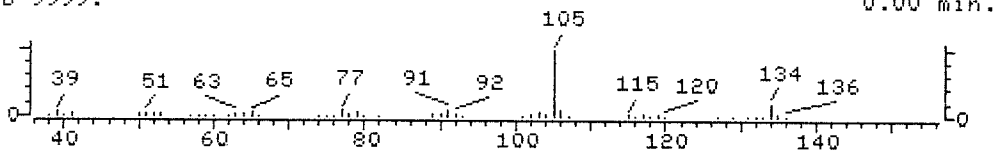
File >BIGDB Cyclohexanone, 3,3,5-trimethyl- (8CI9CI) Scan 5635
Bpk Ab 9999. 0.00 min.



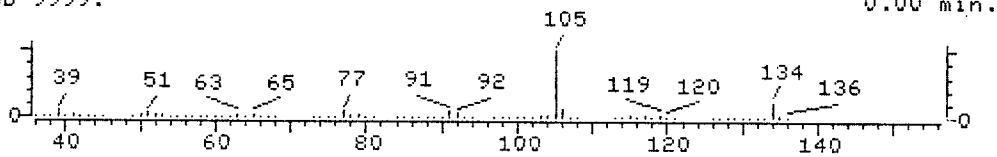
File >V0610 E1005-021C 50.280G 1ML Scan 849
Bpk Ab 9999. NRM ENH 12.33 min.



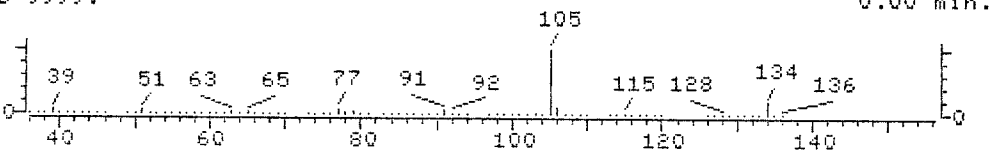
File >BIGDB Benzene, 1-methyl-2-propyl- (9CI) Scan 14463
Bpk Ab 9999. 0.00 min.

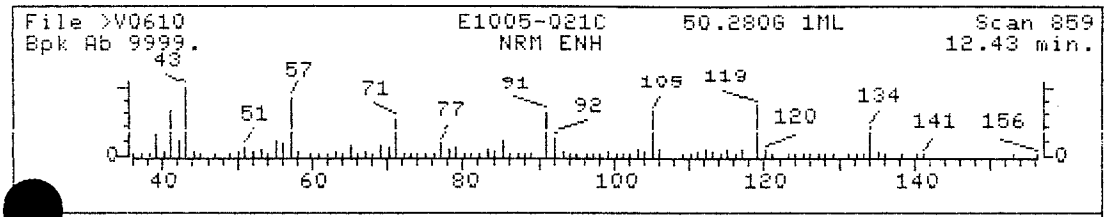


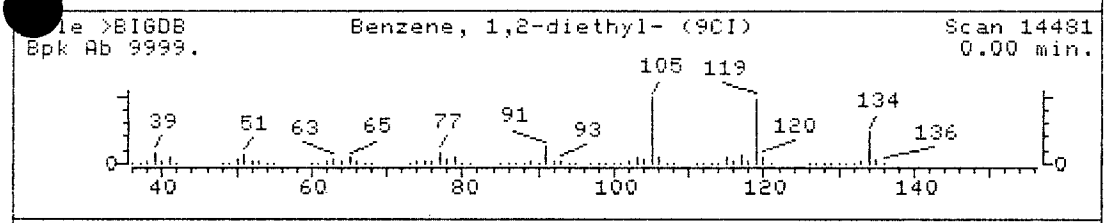
File >BIGDB Benzene, 1-methyl-3-propyl- (9CI) Scan 14464
Bpk Ab 9999. 0.00 min.

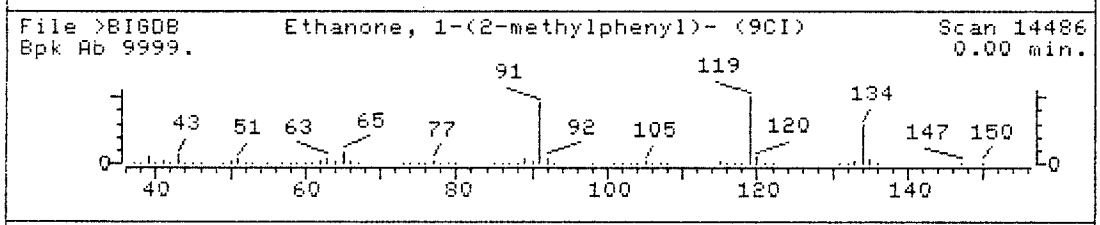


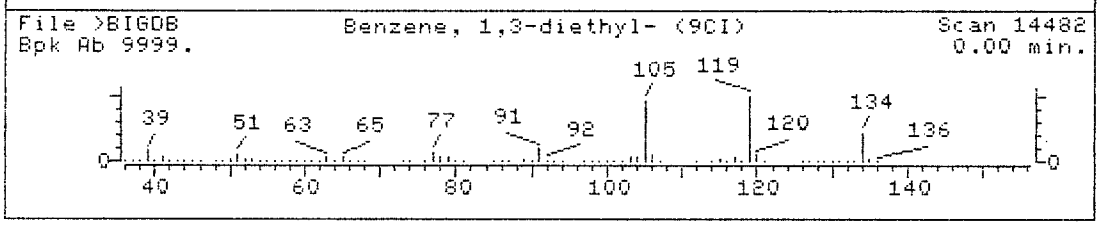
File >BIGDB Benzene, 1-methyl-4-propyl- (9CI) Scan 14465
Bpk Ab 9999. 0.00 min.



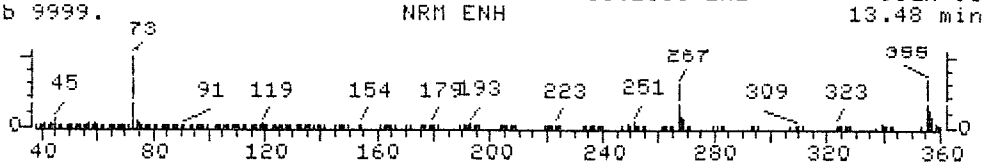

File >V0610
Bpk Ab 9999.
E1005-021C
NRM ENH
50.280G 1ML
Scan 859
12.43 min.
43
57
51
71
77
91
92
105
119
120
134
141
156
40
60
80
100
120
140


le >BIGDB
Bpk Ab 9999.
Benzene, 1,2-diethyl- (9CI)
Scan 14481
0.00 min.
105
119
39
51
63
65
77
91
93
120
134
136
40
60
80
100
120
140

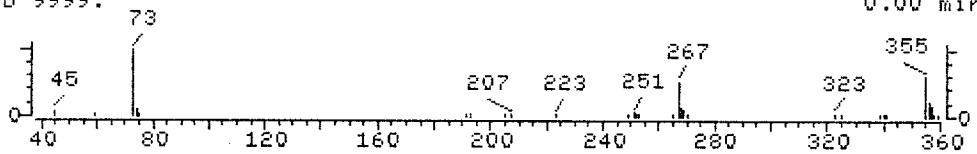

File >BIGDB
Bpk Ab 9999.
Ethanone, 1-(2-methylphenyl)- (9CI)
Scan 14486
0.00 min.
91
119
134
43
51
63
65
77
92
105
120
147
150
40
60
80
100
120
140


File >BIGDB
Bpk Ab 9999.
Benzene, 1,3-diethyl- (9CI)
Scan 14482
0.00 min.
105
119
39
51
63
65
77
91
92
120
134
136
40
60
80
100
120
140

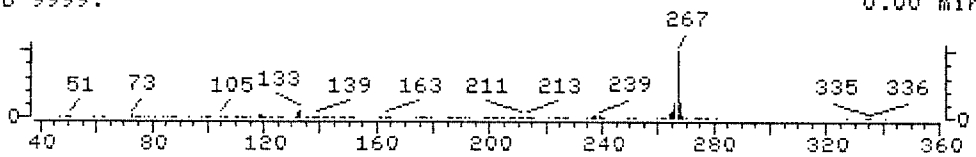
File >V0610 E1005-021C 50.2806 1ML Scan 959
Bpk Ab 9999. NRM ENH 13.48 min.



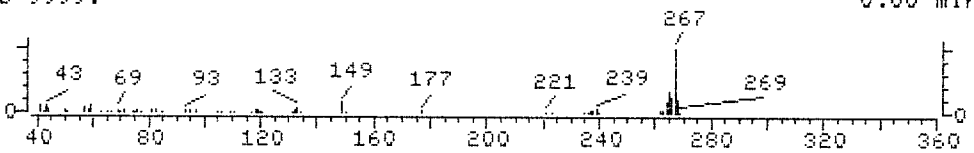
File >BIGDB Cyclopentasiloxane, decamethyl- (8CI9CI) Scan 37074
Bpk Ab 9999. 0.00 min.



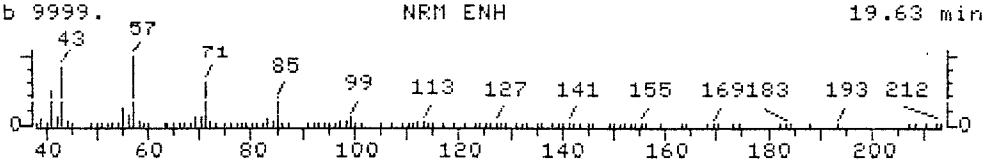
File >BIGDB 13H-Dibenzo[a,i]carbazole (8CI9CI) Scan 30878
Bpk Ab 9999. 0.00 min.



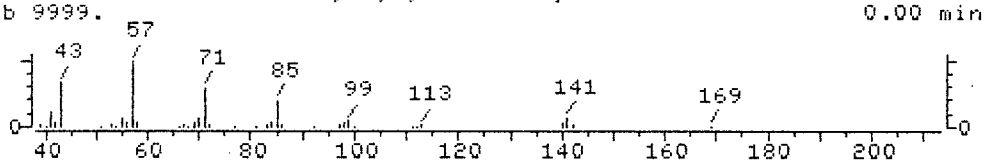
File >BIGDB 7H-Dibenzo[c,g]carbazole (8CI9CI) Scan 30877
Bpk Ab 9999. 0.00 min.



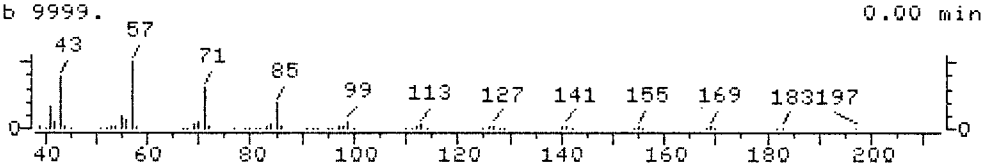
File >V0610 E1005-021C 50.2806 1ML Scan 1548
Bpk Ab 9999. NRM ENH 19.63 min.



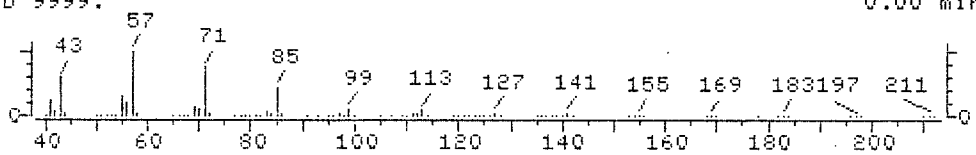
File >BIGDB Decane, 2,3,5-trimethyl- (9CI) Scan 6164
Bpk Ab 9999. 0.00 min.

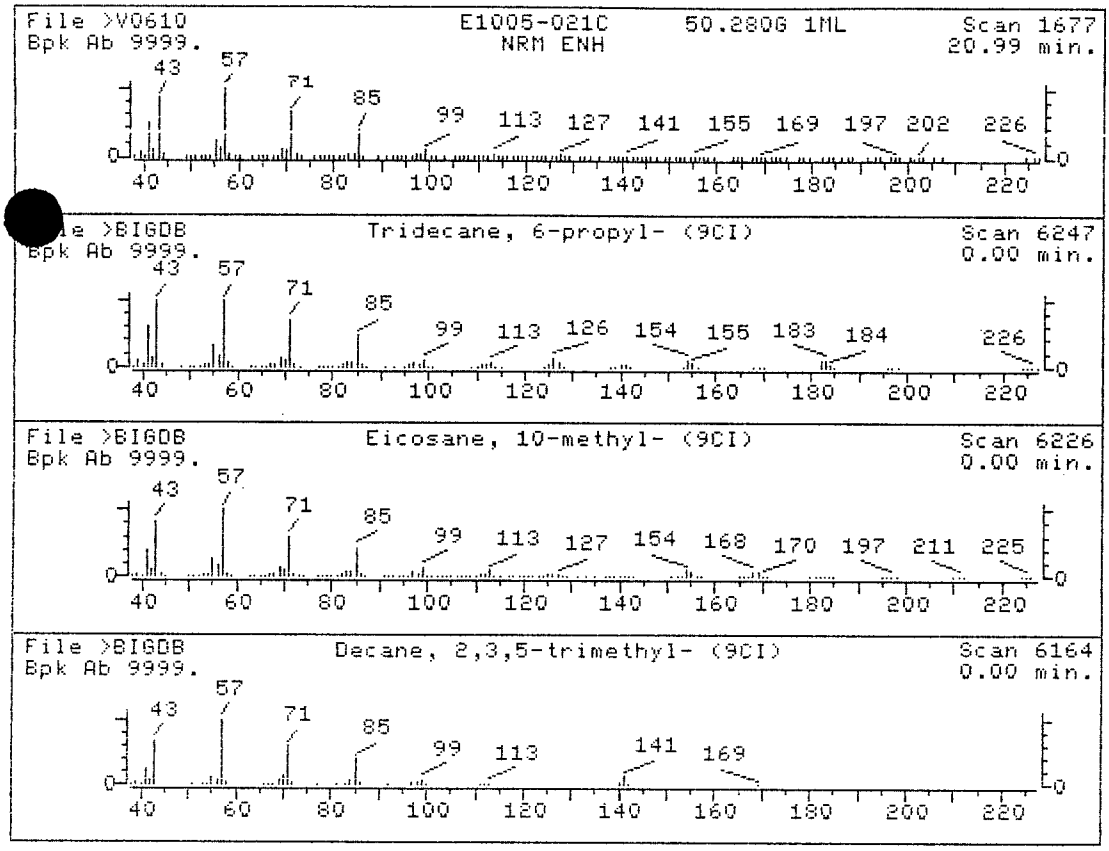


File >BIGDB Hexadecane (8CI9CI) Scan 6146
Bpk Ab 9999. 0.00 min.

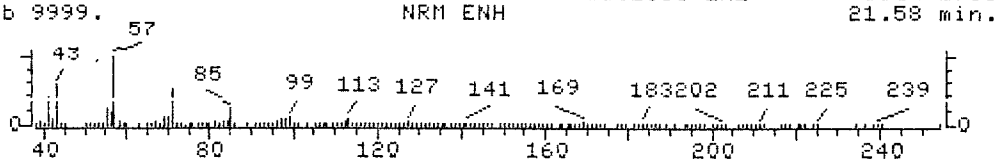


File >BIGDB Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161
Bpk Ab 9999. 0.00 min.

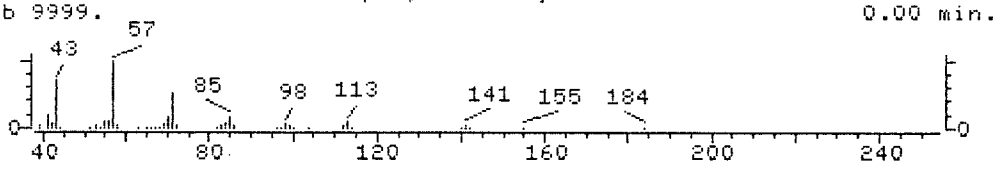



File >V0610
Bpk Ab 9999.
E1005-021C
NRM ENH
50.280G 1ML
Scan 1677
20.99 min.
43 57 71 85 99 113 127 141 155 169 197 202 226
40 60 80 100 120 140 160 180 200 220
File >BIGDB
Bpk Ab 9999.
Tridecane, 6-propyl- (9CI)
Scan 6247
0.00 min.
43 57 71 85 99 113 126 154 155 183 184 226
40 60 80 100 120 140 160 180 200 220
File >BIGDB
Bpk Ab 9999.
Eicosane, 10-methyl- (9CI)
Scan 6226
0.00 min.
43 57 71 85 99 113 127 154 168 170 197 211 225
40 60 80 100 120 140 160 180 200 220
File >BIGDB
Bpk Ab 9999.
Decane, 2,3,5-trimethyl- (9CI)
Scan 6164
0.00 min.
43 57 71 85 99 113 141 169
40 60 80 100 120 140 160 180 200 220

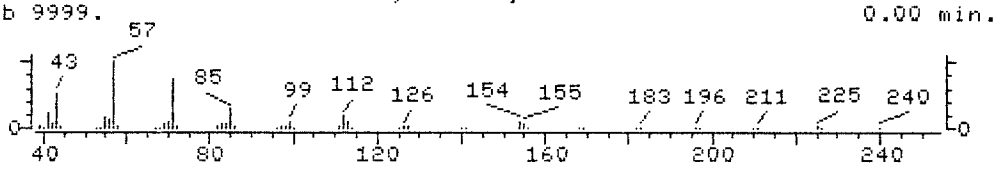
File >V0610 E1005-021C 50.2806 1ML Scan 1733
Bpk Ab 9999. NRM ENH 21.58 min.



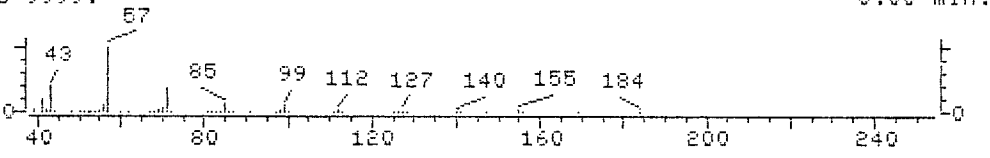
File >BIGDB Undecane, 4,6-dimethyl- (8CI) Scan 3957
Bpk Ab 9999. 0.00 min.



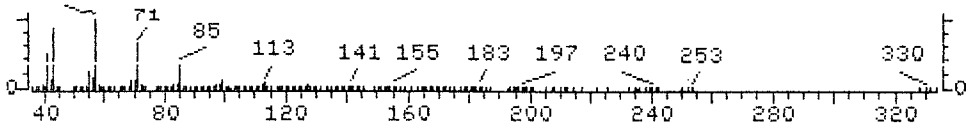
File >BIGDB Hexadecane, 7-methyl- (8CI9CI) Scan 4020
Bpk Ab 9999. 0.00 min.



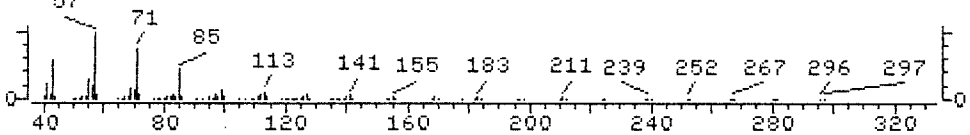
File >BIGDB Undecane, 3,5-dimethyl- (8CI) Scan 8754
Bpk Ab 9999. 0.00 min.



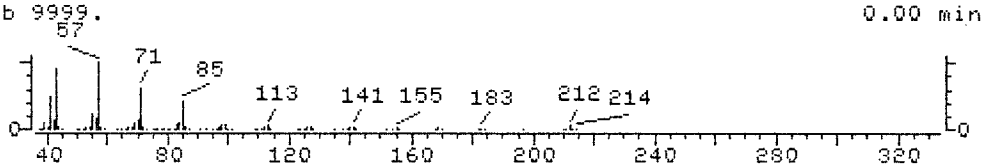
File >V0610 E1005-021C 50.280G 1ML Scan 1798
Bpk Ab 9999. NRM ENH 22.27 min.



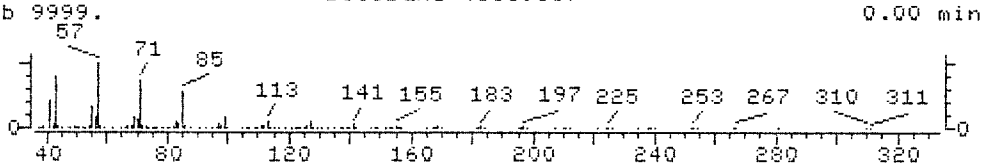
File >BIGDB Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161
Bpk Ab 9999. 0.00 min.

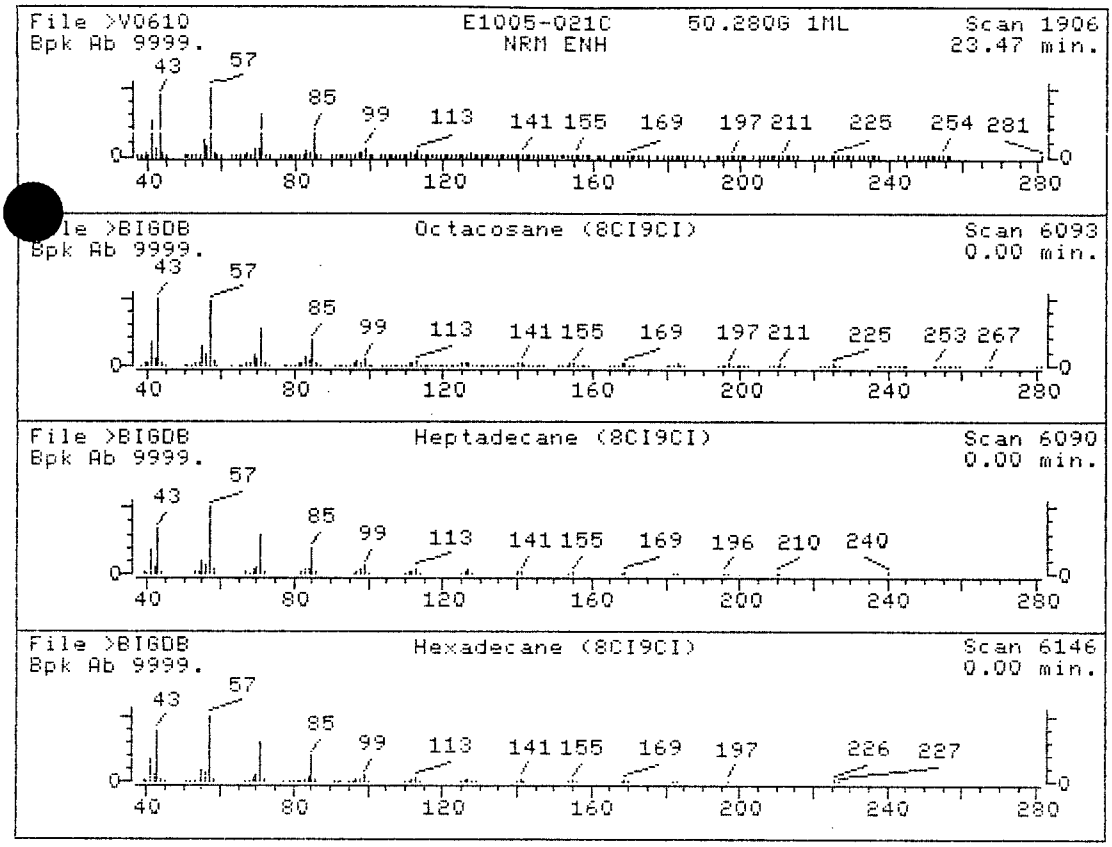


File >BIGDB Pentadecane (8CI9CI) Scan 6265
Bpk Ab 9999. 0.00 min.

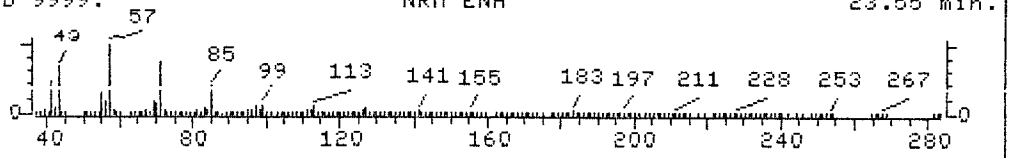


File >BIGDB Docosane (8CI9CI) Scan 6221
Bpk Ab 9999. 0.00 min.

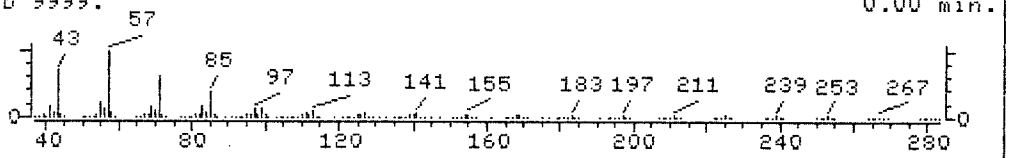



File >V0610
Bpk Ab 9999.
E1005-021C
NRM ENH
50.280G 1ML
Scan 1906
23.47 min.
43 57 85 99 113 141 155 169 197 211 225 254 281
40 80 120 160 200 240 280
File >BIGDB
Bpk Ab 9999.
Octacosane (8CI9CI)
Scan 6093
0.00 min.
43 57 85 99 113 141 155 169 197 211 225 253 267
40 80 120 160 200 240 280
File >BIGDB
Bpk Ab 9999.
Heptadecane (8CI9CI)
Scan 6090
0.00 min.
43 57 85 99 113 141 155 169 196 210 240
40 80 120 160 200 240 280
File >BIGDB
Bpk Ab 9999.
Hexadecane (8CI9CI)
Scan 6146
0.00 min.
43 57 85 99 113 141 155 169 197 226 227
40 80 120 160 200 240 280

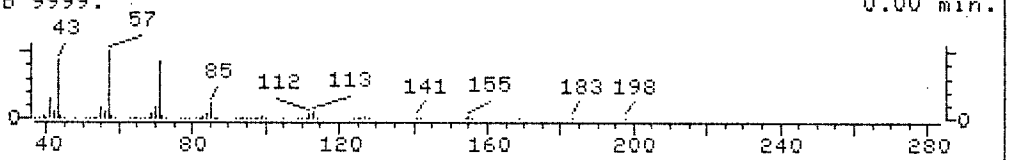
File >V0610 E1005-021C 50.2806 1ML Scan 1913
Bpk Ab 9999. NRM ENH 23.55 min.



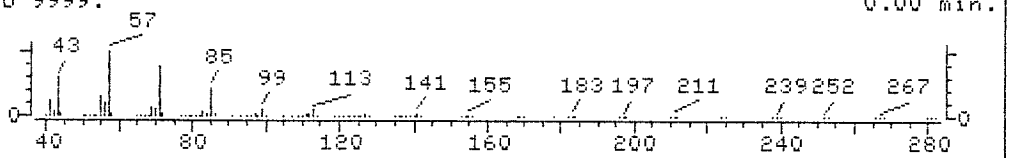
File >BIGDB Tetratetracontane (8CI9CI) Scan 8906
Bpk Ab 9999. 0.00 min.



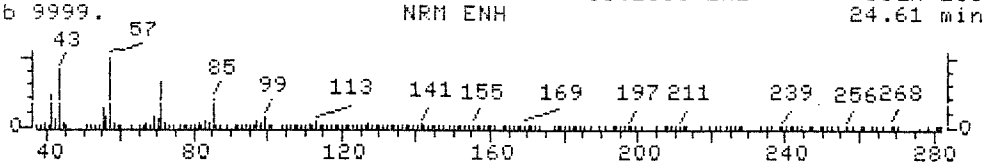
File >BIGDB Dodecane, 4,6-dimethyl- (9CI) Scan 3960
Bpk Ab 9999. 0.00 min.



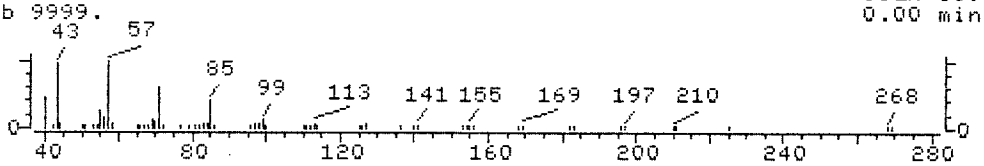
File >BIGDB Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161
Bpk Ab 9999. 0.00 min.



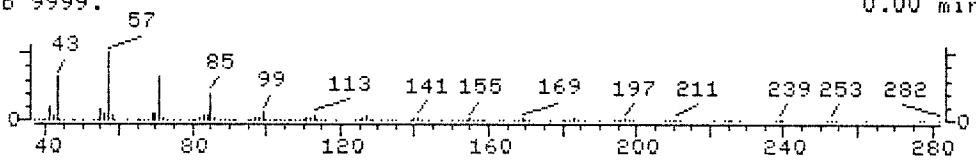
File >V0610 E1005-021C 50.280G 1ML Scan 2003
Bpk Ab 9999. NRM ENH 24.61 min.



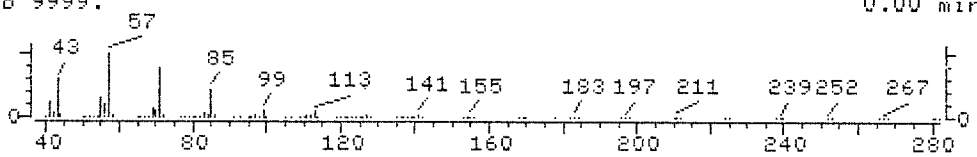
File >BIGDB Nonadecane (8CI9CI) Scan 6091
Bpk Ab 9999. 0.00 min.

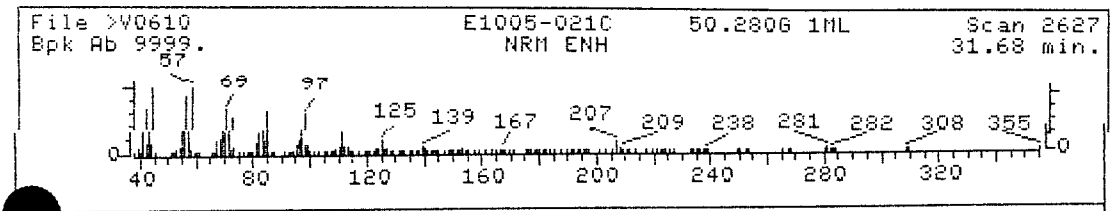


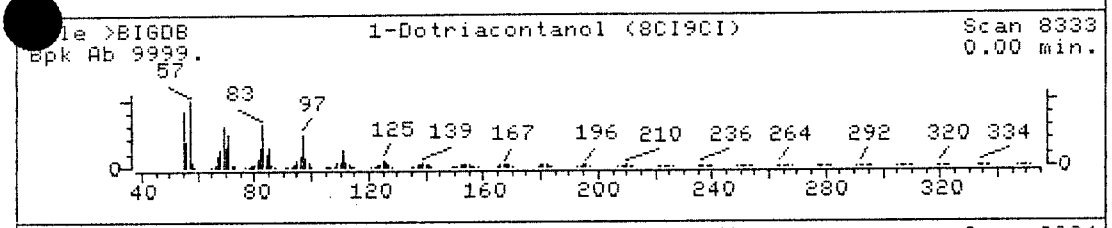
File >BIGDB Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene) Scan 6168
Bpk Ab 9999. 0.00 min.

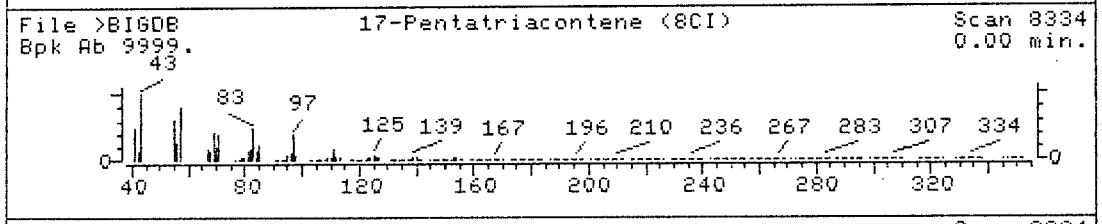


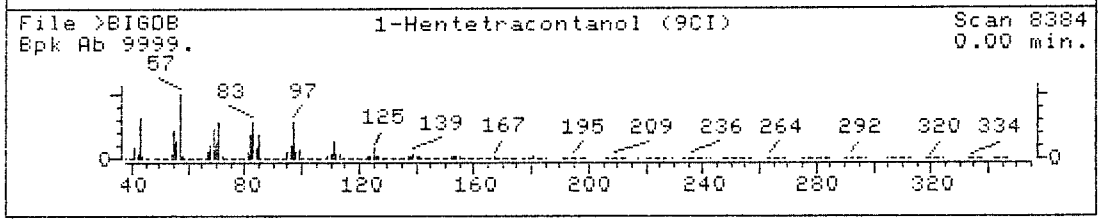
File >BIGDB Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161
Bpk Ab 9999. 0.00 min.



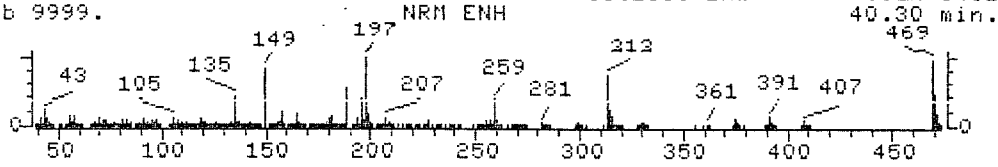

File >V0610
Bpk Ab 9999.
E1005-021C
NRM ENH
50.280G 1ML
Scan 2627
31.68 min.
57
69
97
125 139 167 207 209 238 281 282 308 355
40 80 120 160 200 240 280 320


le >BIGDB
Bpk Ab 9999.
1-Dotriacontanol (8CI9CI)
Scan 8333
0.00 min.
57
83
97
125 139 167 196 210 236 264 292 320 334
40 80 120 160 200 240 280 320

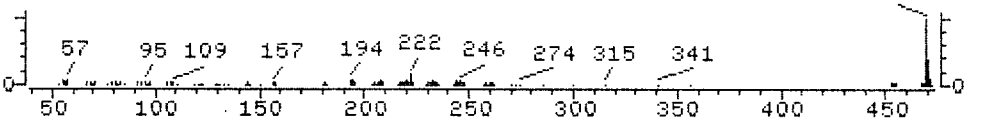

File >BIGDB
Bpk Ab 9999.
17-Pentatriacontene (8CI)
Scan 8334
0.00 min.
43
83
97
125 139 167 196 210 236 267 283 307 334
40 80 120 160 200 240 280 320


File >BIGDB
Bpk Ab 9999.
1-Hentetracontanol (9CI)
Scan 8384
0.00 min.
57
83
97
125 139 167 195 209 236 264 292 320 334
40 80 120 160 200 240 280 320

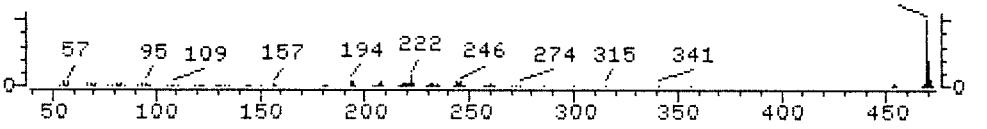
File >V0610 E1005-021C 50.280G 1ML Scan 3402
Bpk Ab 9999. NRM ENH 40.30 min.



File >BIGDB 1'H-Cholesta-2,4,6-trieno[3,2-b]indole, 1'-methyl Scan 40782
Bpk Ab 9999. 0.00 min.



File >BIGDB 1'H-Cholesta-2,4,6-trieno[3,2-b]indole, 1'-methyl Scan 40782
Bpk Ab 9999. 0.00 min.



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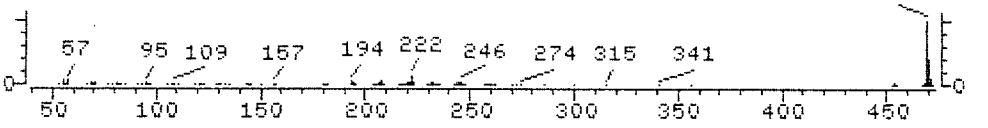
Bpk Ab 9999. 0.00 min.



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-1D

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 1D

Sample wt/vol: 50.7 (g/mL) g Lab File ID: >V0611

Level: (low/med) low Date Received: 10/05/94

% Moisture: 31 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	286	U
111-44-4	bis(2-Chloroethyl)ether	286	U
95-57-8	2-Chlorophenol	286	U
541-73-1	1,3-Dichlorobenzene	286	U
6-46-7	1,4-Dichlorobenzene	286	U
95-50-1	1,2-Dichlorobenzene	627	
95-48-7	2-Methylphenol	286	U
108-60-1	2,2'-oxybis(1-Chloropropane)	286	U
106-44-5	4-Methylphenol	286	U
621-64-7	N-Nitroso-di-n-propylamine	286	U
67-72-1	Hexachloroethane	286	U
98-95-3	Nitrobenzene	286	U
78-59-1	Isophorone	286	U
88-75-5	2-Nitrophenol	286	U
105-67-9	2,4-Dimethylphenol	286	U
111-91-1	bis(2-Chloroethoxy)methane	286	U
120-83-2	2,4-Dichlorophenol	286	U
120-82-1	1,2,4-Trichlorobenzene	286	U
91-20-3	Naphthalene	286	U
106-47-8	4-Chloroaniline	286	U
87-68-3	Hexachlorobutadiene	286	U
59-50-7	4-Chloro-3-methylphenol	286	U
91-57-6	2-Methylnaphthalene	286	U
77-47-4	Hexachlorocyclopentadiene	286	U
88-06-2	2,4,6-Trichlorophenol	286	U
95-95-4	2,4,5-Trichlorophenol	715	U
91-58-7	2-Chloronaphthalene	286	U
88-74-4	2-Nitroaniline	715	U
131-11-3	Dimethylphthalate	286	U
208-96-8	Acenaphthylene	286	U
606-20-2	2,6-Dinitrotoluene	286	U
-09-2	3-Nitroaniline	715	U
83-32-9	Acenaphthene	286	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-1D

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 1D

Sample wt/vol: 50.7 (g/mL) g Lab File ID: >V0611

Level: (low/med) low Date Received: 10/05/94

% Moisture: 31 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	715	U
100-02-7	4-Nitrophenol	715	U
132-64-9	Dibenzofuran	286	U
121-14-2	2,4-Dinitrotoluene	286	U
-66-2	Diethylphthalate	286	U
7005-72-3	4-chlorophenyl-phenylether	286	U
86-73-7	Fluorene	286	U
100-01-6	4-Nitroaniline	715	U
534-52-1	4,6-Dinitro-2-methylphenol	715	U
86-30-6	N-Nitrosodiphenylamine (1)	286	U
101-55-3	4-Bromophenyl-phenylether	286	U
118-74-1	Hexachlorobenzene	286	U
87-86-5	Pentachlorophenol	715	U
85-01-8	Phenanthrene	286	U
120-12-7	Anthracene	286	U
86-74-8	Carbazole	286	U
84-74-2	Di-n-butylphthalate	272	BJ
206-44-0	Fluoranthene	286	U
129-00-0	Pyrene	286	U
85-68-7	Butylbenzylphthalate	286	U
91-94-1	3,3'-Dichlorobenzidine	286	U
56-55-3	Benzo(a)anthracene	43	U
218-01-9	Chrysene	43	U
117-81-7	bis(2-Ethylhexyl)phthalate	286	U
117-84-0	Di-n-octylphthalate	286	U
205-99-2	Benzo(b)fluoranthene	43	U
207-08-9	Benzo(k)fluoranthene	43	U
50-32-8	Benzo(a)pyrene	43	U
193-39-5	Indeno(1,2,3-cd)pyrene	43	U
53-70-3	Dibenz(a,h)anthracene	43	U
191-24-2	Benzo(g,h,i)perylene	286	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MS-1D

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 1D

Sample wt/vol: 50.7 (g/mL) g Lab File ID: >V0611

Level: (low/med) low Date Received: 10/05/94

% Moisture: 31 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.4

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALKYL SUBSTITUTED HYDROCARBON	5.77	3720	J
2.		UNKNOWN HYDROCARBON	7.06	1802	J
3.		AROMATIC HYDROCARBON	8.59	1944	J
4.		UNKNOWN HYDROCARBON	9.63	571	J
5.	556-67-2	OCTAMETHYL-CYCLOTETRASILOXANE	10.28	551	J
6.		ALKYL SUBSTITUTED HYDROCARBON	11.05	2441	J
7.		ALKYL SUBSTITUTED HYDROCARBON	11.53	950	J
8.		ALKYL SUBSTITUTED AROMATIC	12.33	570	J
9.		ALKYL SUBSTITUTED AROMATIC	12.44	737	J
10.	541-2-6	DECAMETHYL-CYCLOPENTASILOXANE	13.48	1034	J
11.		ALKYL SUBSTITUTED HYDROCARBON	19.64	676	J
12.		ALKYL SUBSTITUTED HYDROCARBON	20.99	1507	J
13.		ALKYL SUBSTITUTED HYDROCARBON	21.58	1111	J
14.		ALKYL SUBSTITUTED HYDROCARBON	22.28	1914	J
15.		UNKNOWN HYDROCARBON	23.48	2023	J
16.		UNKNOWN HYDROCARBON	23.55	1175	J
17.		ALKYL SUBSTITUTED ALCOHOL	24.47	604	J
18.		UNKNOWN HYDROCARBON	24.58	534	J
19.		ALKYL SUBSTITUTED ALCOHOL	31.68	1293	J
20.		UNKNOWN HYDROCARBON	40.32	1869	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Operator ID: ANDY
Output File: ^V0611::A5
Data File: >V0611::A0
Name: E1005-02
Misc: 1D 50.674G 1ML

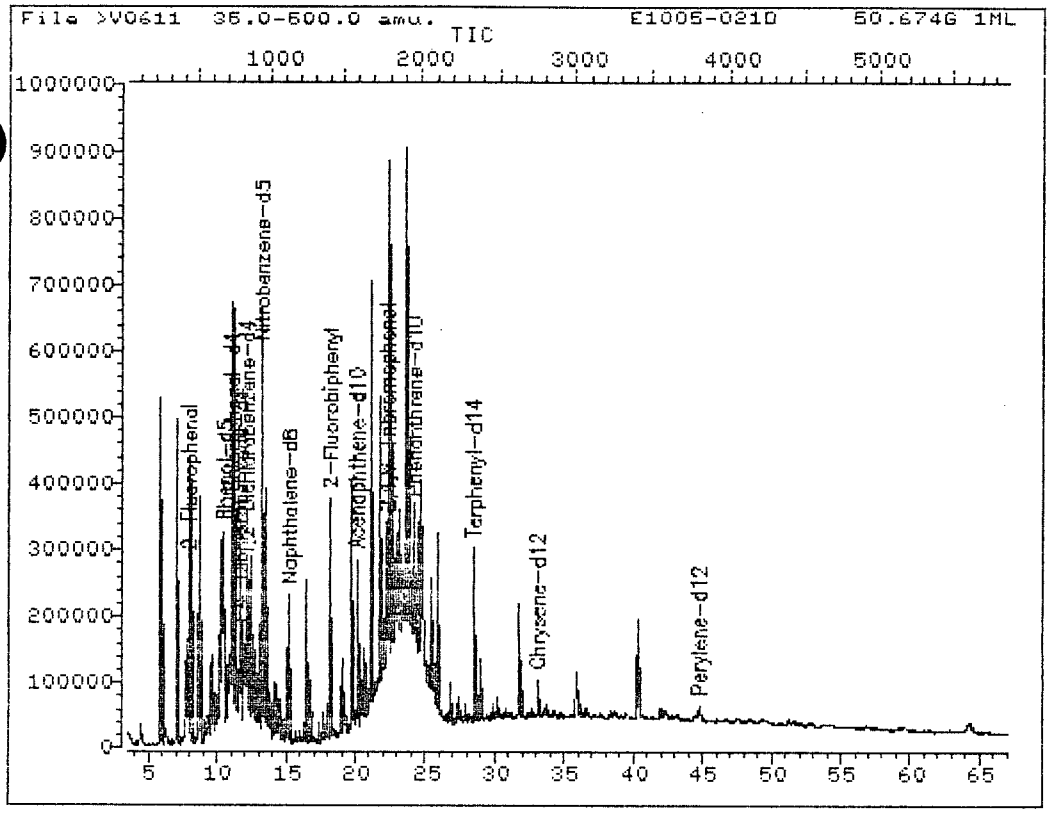
Quant Rev: 7
Quant Time: 941006 21:58
Injected at: 941006 20:50
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL#12

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941006 09:37

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.61	152.0	56476	20.00	UG/ML	62
2)	2-Fluorophenol	7.91	112.0	127487	41.19	UG/ML	84
3)	Phenol-d5	10.45	99.0	203999	50.20	UG/ML	89
4)	2-Chlorophenol-d4	10.99	132.0	150797	46.95	UG/ML	90
5)	1,2-Dichlorobenzene-d4	12.06	152.0	90560	40.28	UG/ML	54
11)	1,2-Dichlorobenzene	12.10	146.0	77907	21.92	UG/ML	95
17)	*Naphthalene-d8	15.18	136.0	226521	20.00	UG/ML	98
18)	Nitrobenzene-d5	13.16	82.0	118775	29.30	UG/ML	53
31)	*Acenaphthene-d10	20.02	164.0	145237	20.00	UG/ML	97
36)	2-Fluorobiphenyl	18.09	172.0	303824	38.79	UG/ML	95
51)	*Phenanthrene-d10	24.10	188.0	222234	20.00	UG/ML	93
54)	2,4,6-Tribromophenol	22.16	330.0	97858	82.56	UG/ML	93
61)	Di-n-butylphthalate	25.39	149.0	121408	9.53	UG/ML	97
63)	*Chrysene-d12	33.02	240.0	112228	20.00	UG/ML	99
65)	Terphenyl-d14	28.40	244.0	330849	48.65	UG/ML	79
71)	*Perylene-d12	44.69	264.0	70765	20.00	UG/ML	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM

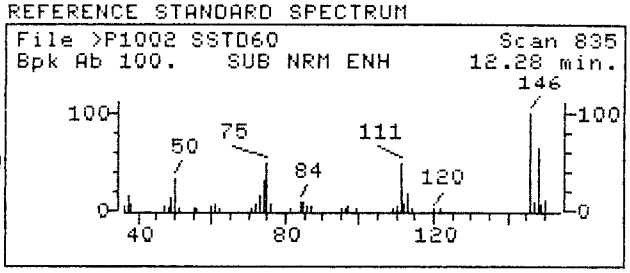


Data File: >V0611 Quant Output File: ^V0611::A5
Name: E1005-02 Instrument ID: MACH-2
Misc: 1D 50.674G 1ML BTL#12

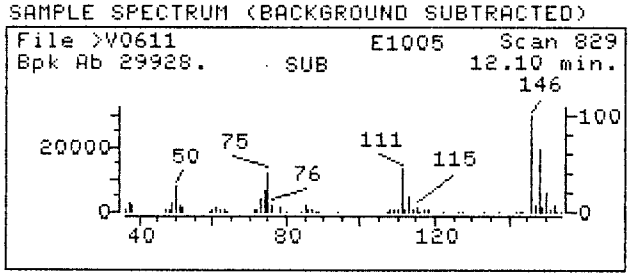
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941006 09:37

Operator ID: ANDY
Quant Time : 941006 21:58
Injected at: 941006 20:50

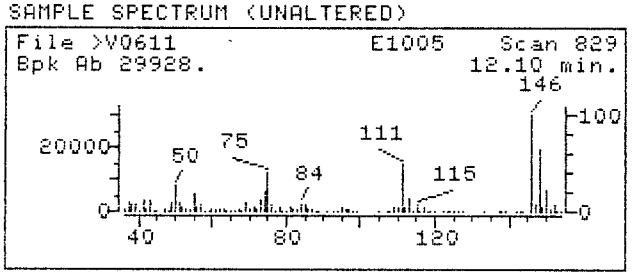
REFERENCE STANDARD SPECTRUM

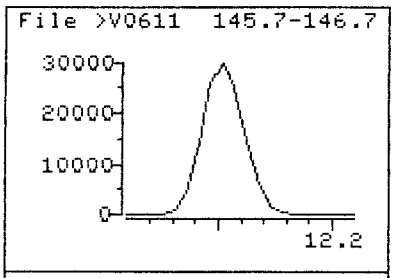


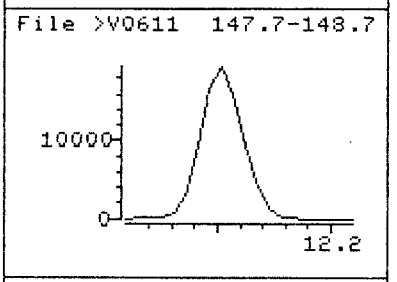
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

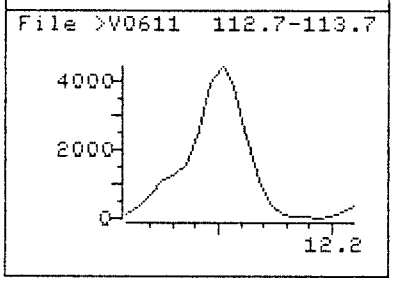


SAMPLE SPECTRUM (UNALTERED)







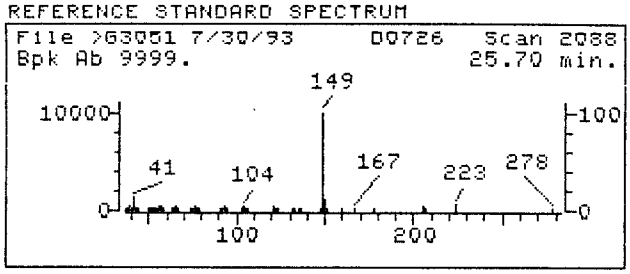


Data File: >V0611
Name: E1005-02
Misc: 1D 50.674G 1ML
Quant Time: 941006 21:58
Injected at: 941006 20:50
Last Qcal Time: 941006 09:37

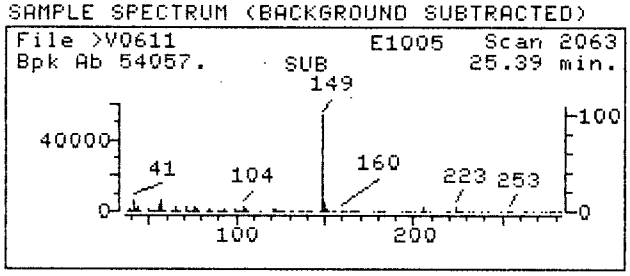
Quant Output File: ^V0611::A5
Instrument ID: MACH-2
BTL#12
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 11
Compound Name : 1,2-Dichlorobenzene
Scan Number : 829
Retention Time: 12.10 min.
Quant Ion : 146.0
Area : 77907
Concentration : 21.92 UG/ML
q-value : 95

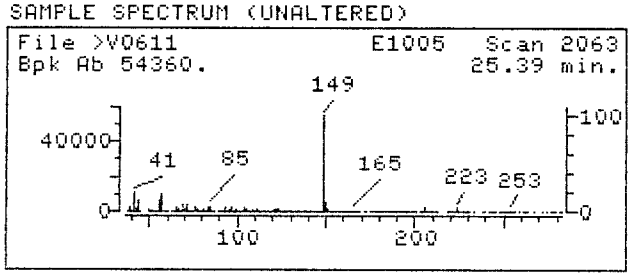
REFERENCE STANDARD SPECTRUM

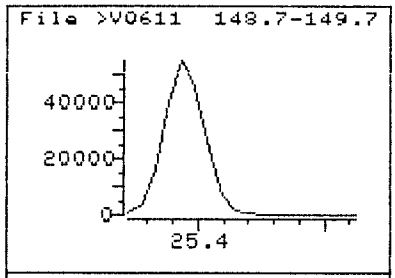


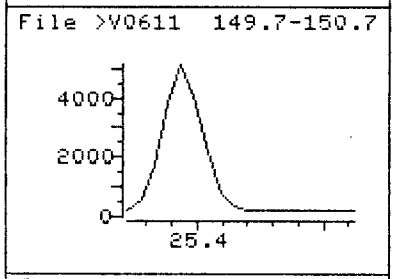
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

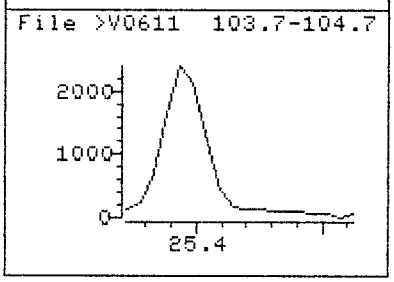


SAMPLE SPECTRUM (UNALTERED)







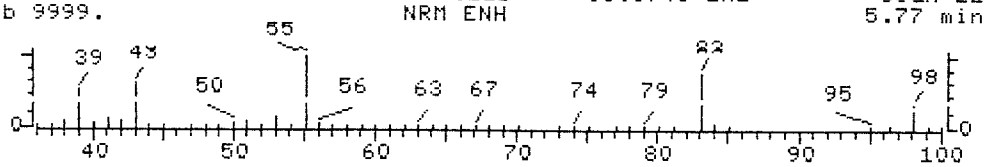


Data File: >V0611
Name: E1005-02
Misc: 1D 50.674G 1ML
Quant Time: 941006 21:58
Injected at: 941006 20:50
Last Qcal Time: 941006 09:37

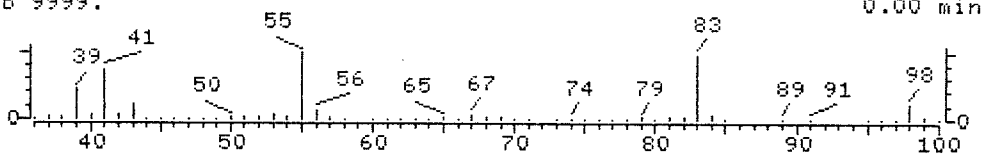
Quant Output File: ^V0611::A5
Instrument ID: MACH-2
BTL#12
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 61
Compound Name : Di-n-butylphthalate
Scan Number : 2063
Retention Time: 25.39 min.
Quant Ion : 149.0
Area : 121408
Concentration : 9.53 UG/ML
q-value : 97

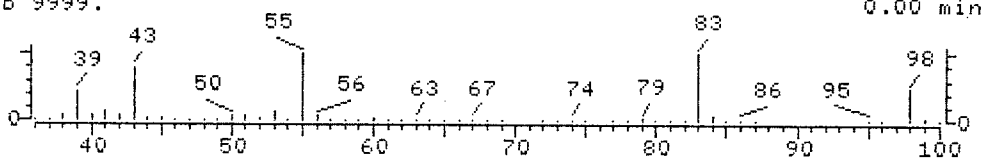
File >V0611 E1005-021D 50.674G 1ML Scan 222
Bpk Ab 9999. NRM ENH 5.77 min.



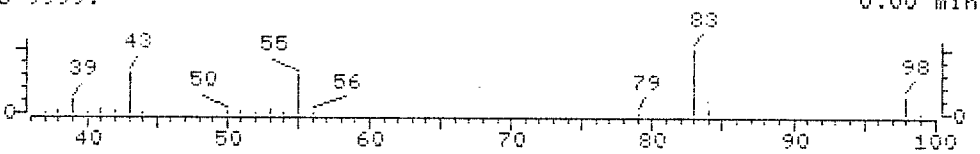
File >BIGDB Cyclopropane, 1,1,2,2-tetramethyl- (8CI9CI) Scan 5593
Bpk Ab 9999. 0.00 min.

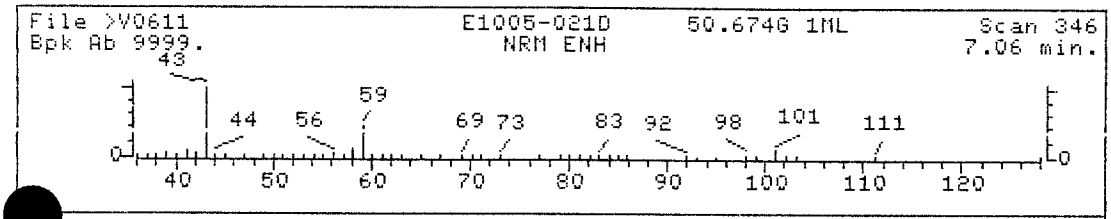


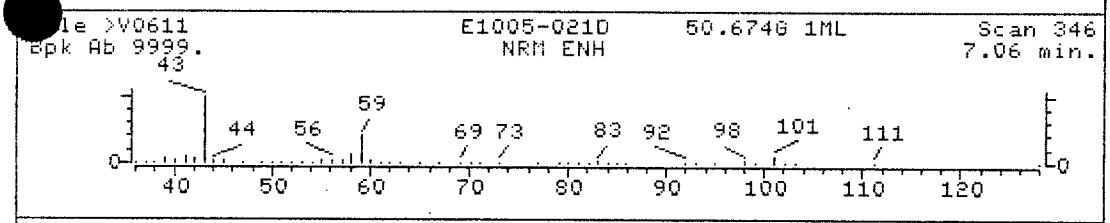
File >BIGDB 3-Penten-2-one, 4-methyl- (8CI9CI) Scan 8486
Bpk Ab 9999. 0.00 min.

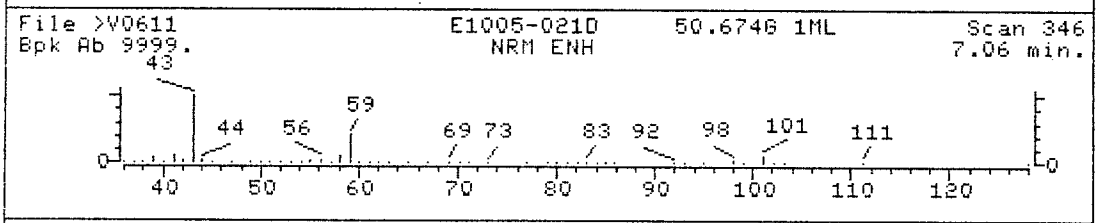


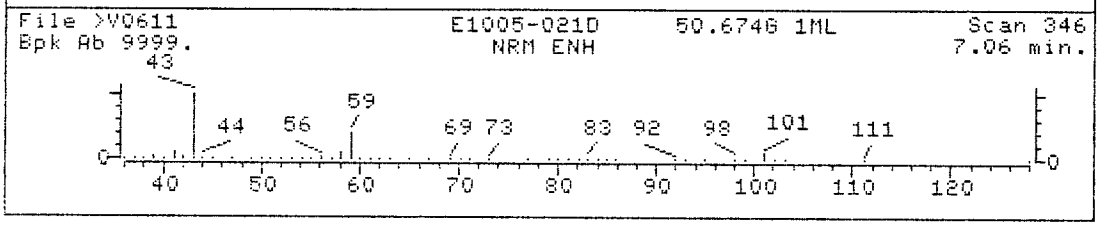
File >BIGDB 3-Hexen-2-one (8CI9CI) Scan 5591
Bpk Ab 9999. 0.00 min.



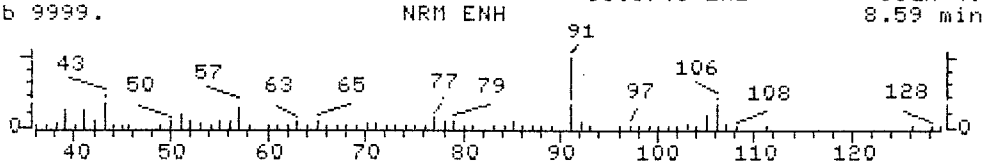

File >V0611
Bpk Ab 9999.
E1005-021D
NRM ENH
50.674G 1ML
Scan 346
7.06 min.
43
44
56
59
69 73
83
92
98
101
111
40 50 60 70 80 90 100 110 120


File >V0611
Bpk Ab 9999.
E1005-021D
NRM ENH
50.674G 1ML
Scan 346
7.06 min.
43
44
56
59
69 73
83
92
98
101
111
40 50 60 70 80 90 100 110 120

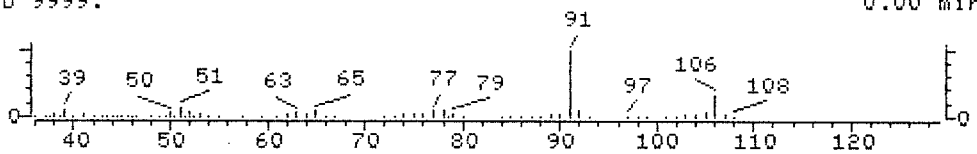

File >V0611
Bpk Ab 9999.
E1005-021D
NRM ENH
50.674G 1ML
Scan 346
7.06 min.
43
44
56
59
69 73
83
92
98
101
111
40 50 60 70 80 90 100 110 120


File >V0611
Bpk Ab 9999.
E1005-021D
NRM ENH
50.674G 1ML
Scan 346
7.06 min.
43
44
56
59
69 73
83
92
98
101
111
40 50 60 70 80 90 100 110 120

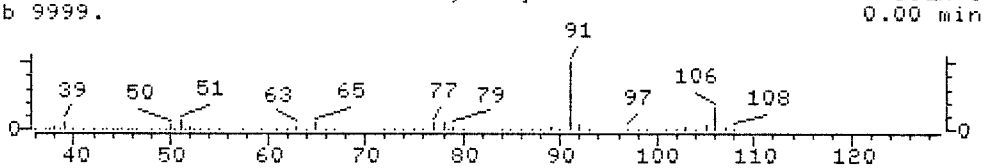
File >V0611 E1005-021D 50.674G 1ML Scan 493
Bpk Ab 9999. NRM ENH 8.59 min.



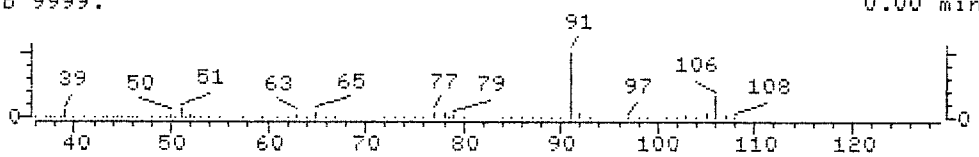
File PRIPOL Benzene, ethyl- Scan 67
Bpk Ab 9999. 0.00 min.



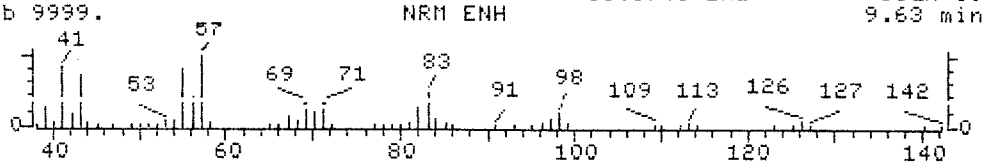
File PRIPOL Benzene, ethyl- Scan 67
Bpk Ab 9999. 0.00 min.



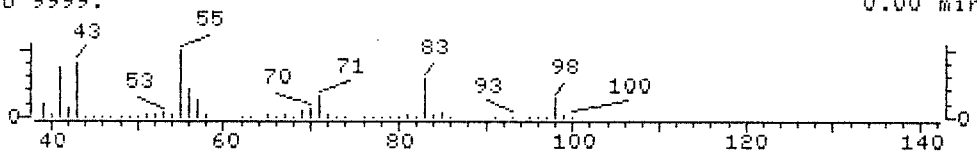
File PRIPOL Benzene, ethyl- Scan 67
Bpk Ab 9999. 0.00 min.



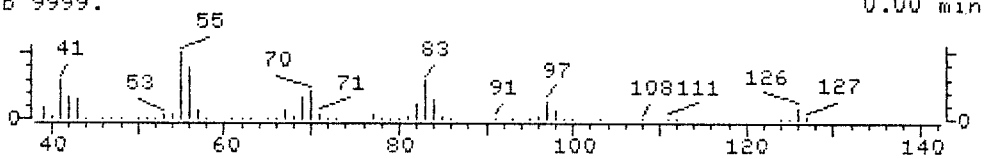
File >V0611 E1005-021D 50.6746 1ML Scan 592
Bpk Ab 9999. NRM ENH 9.63 min.



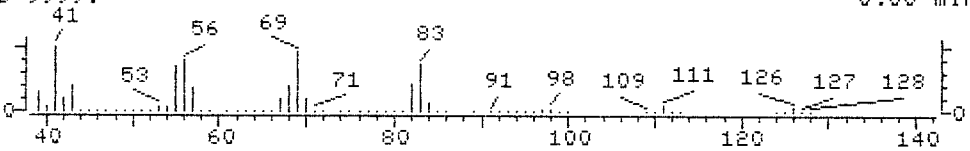
File >BIGDB Cyclopropane, 1,1,2,3-tetramethyl- (9CI) Scan 8532
Bpk Ab 9999. 0.00 min.



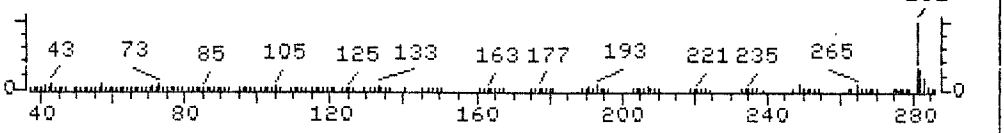
File >BIGDB Cyclopentane, 1-methyl-2-propyl- (8CI9CI) Scan 3711
Bpk Ab 9999. 0.00 min.



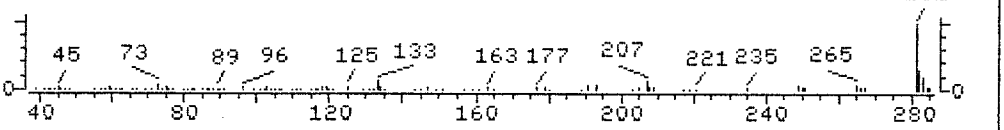
File >BIGDB Cyclopentane, (2-methylpropyl)- (9CI) Scan 5415
Bpk Ab 9999. 0.00 min.



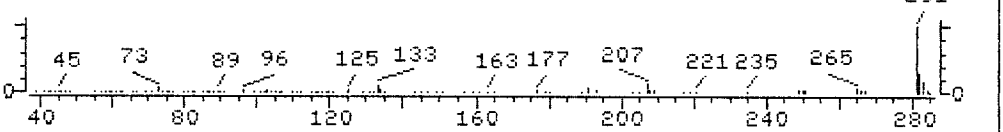
File >V0611 E1005-021D 50.6746 1ML Scan 655
Bpk Ab 9999. NRM ENH 10.28 min.



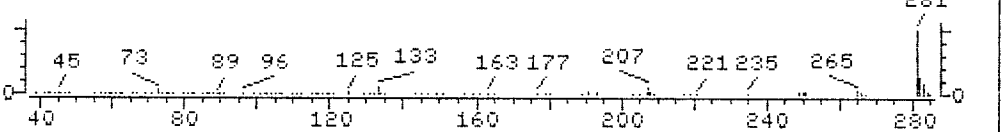
File >BIGDB Cyclotetrasiloxane, octamethyl- (8CI9CI) Scan 32181
Bpk Ab 9999. 0.00 min.

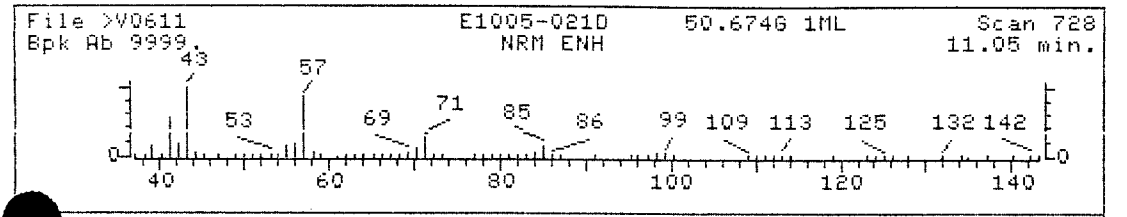


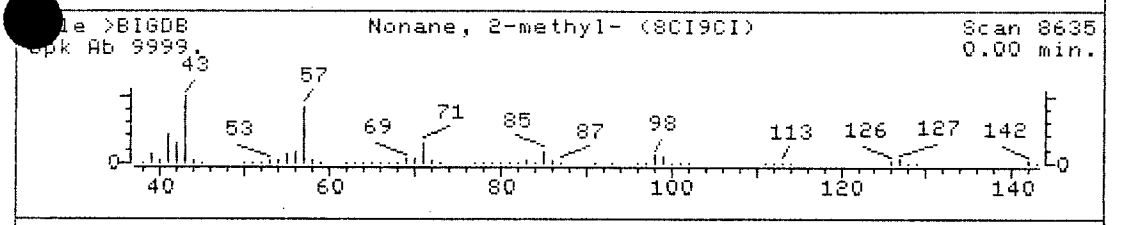
File >BIGDB Cyclotetrasiloxane, octamethyl- (8CI9CI) Scan 32181
Bpk Ab 9999. 0.00 min.

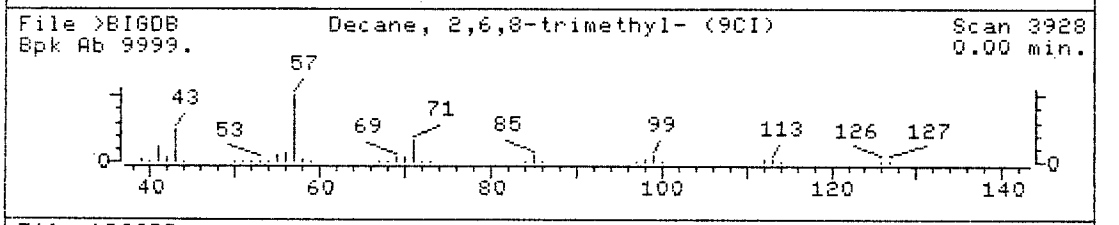


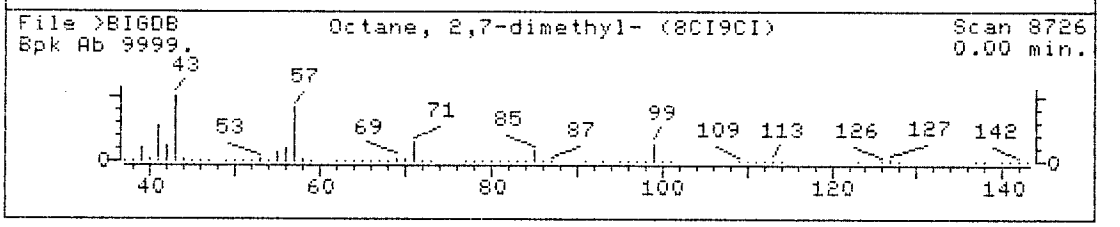
File >BIGDB Cyclotetrasiloxane, octamethyl- (8CI9CI) Scan 32181
Bpk Ab 9999. 0.00 min.



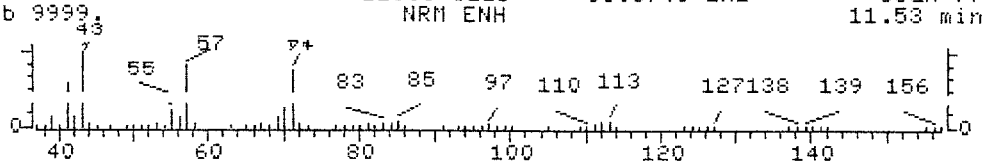

File >V0611
Bpk Ab 9999.
E1005-021D
NRM ENH
50.674G 1ML
Scan 728
11.05 min.
43
57
53
69
71
85
86
99
109
113
125
132
142
40
60
80
100
120
140


File >BIGDB
Bpk Ab 9999.
Nonane, 2-methyl- (8CI9CI)
Scan 8635
0.00 min.
43
57
53
69
71
85
87
98
113
126
127
142
40
60
80
100
120
140

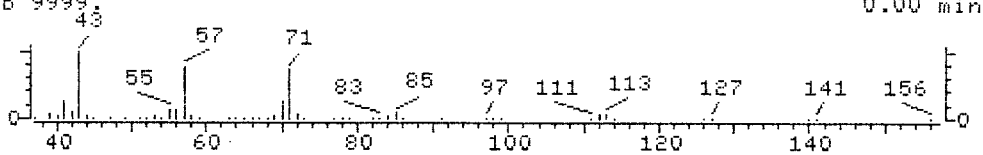

File >BIGDB
Bpk Ab 9999.
Decane, 2,6,8-trimethyl- (9CI)
Scan 3928
0.00 min.
57
43
53
69
71
85
99
113
126
127
40
60
80
100
120
140


File >BIGDB
Bpk Ab 9999.
Octane, 2,7-dimethyl- (8CI9CI)
Scan 8726
0.00 min.
43
57
53
69
71
85
87
99
109
113
126
127
142
40
60
80
100
120
140

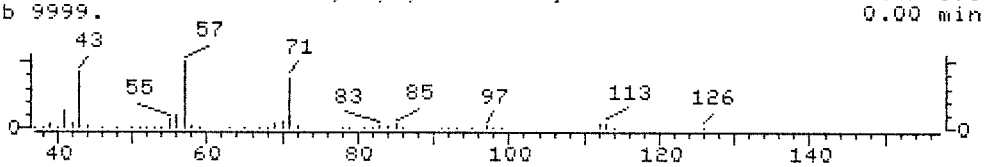
File >V0611 E1005-021D 50.6746 1ML Scan 774
Bpk Ab 9999. NRM ENH 11.53 min.



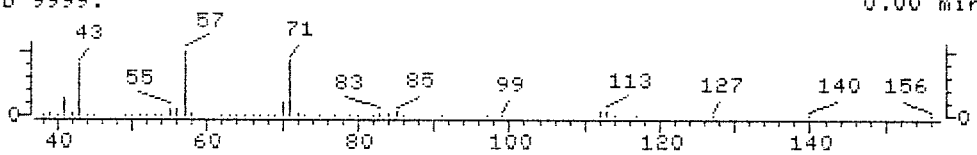
File >BIGDB Nonane, 2,6-dimethyl- (8CI9CI) Scan 3956
Bpk Ab 9999. 0.00 min.



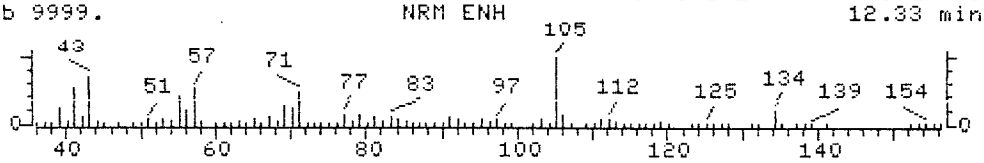
File >BIGDB Octane, 2,3,7-trimethyl- (9CI) Scan 3962
Bpk Ab 9999. 0.00 min.



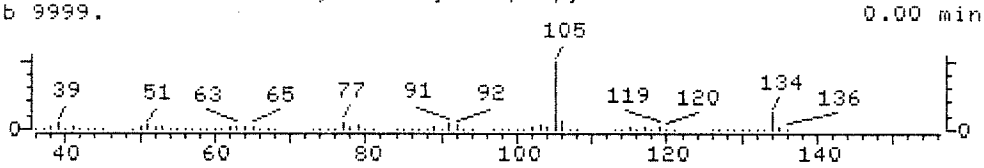
File >BIGDB Octane, 2,3,6-trimethyl- (9CI) Scan 3961
Bpk Ab 9999. 0.00 min.



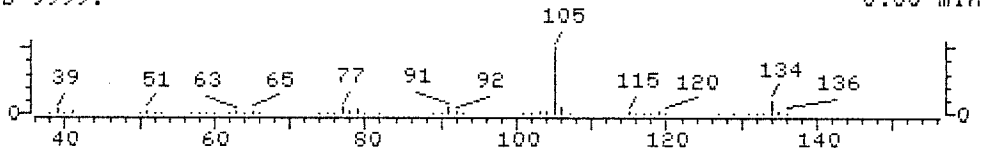
File >V0611 E1005-021D 50.6746 1ML Scan 851
Bpk Ab 9999. NRM ENH 12.33 min.



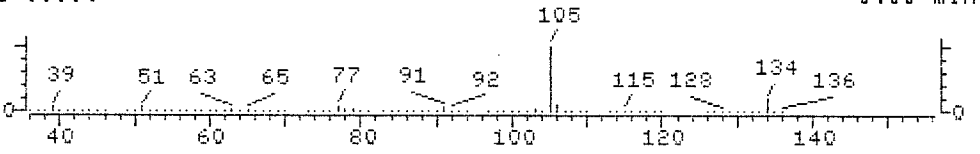
File >BIGDB Benzene, 1-methyl-3-propyl- (9CI) Scan 14464
Bpk Ab 9999. 0.00 min.



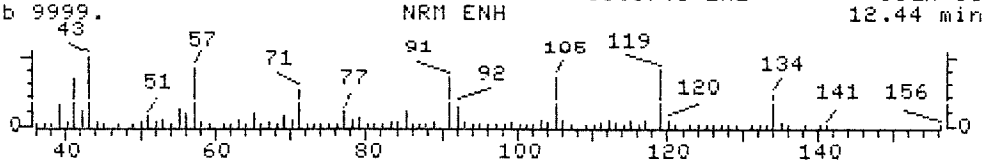
File >BIGDB Benzene, 1-methyl-2-propyl- (9CI) Scan 14463
Bpk Ab 9999. 0.00 min.



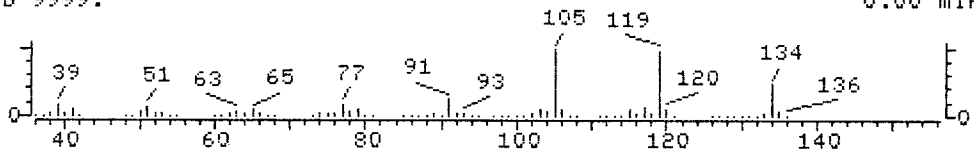
File >BIGDB Benzene, 1-methyl-4-propyl- (9CI) Scan 14465
Bpk Ab 9999. 0.00 min.



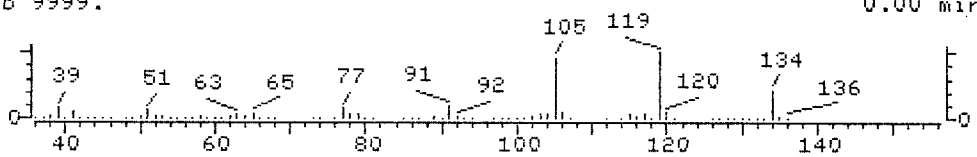
File >V0611 E1005-021D 50.6746 1ML Scan 861
Bpk Ab 9999. NRM ENH 12.44 min.



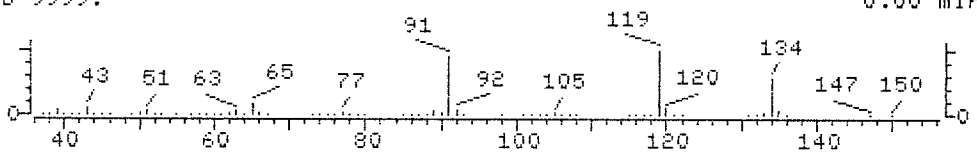
File >BIGDB Benzene, 1,2-diethyl- (9CI) Scan 14481
Bpk Ab 9999. 0.00 min.

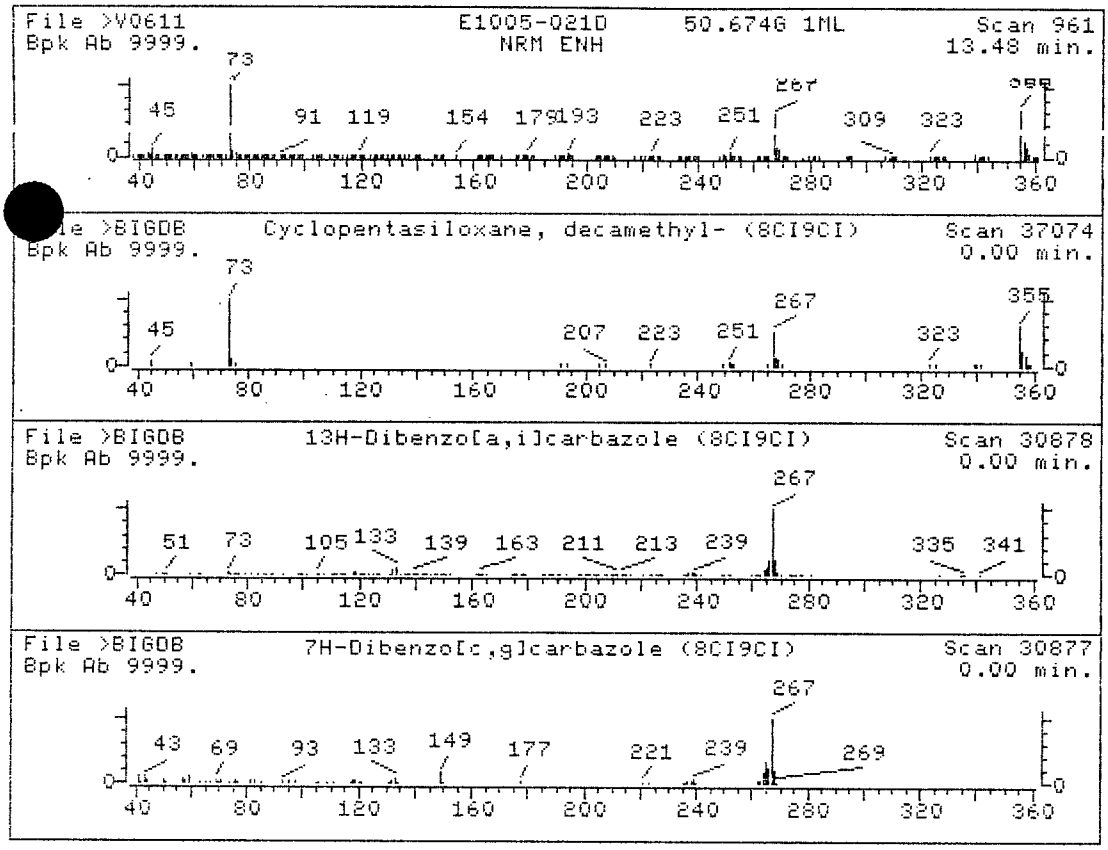


File >BIGDB Benzene, 1,3-diethyl- (9CI) Scan 14482
Bpk Ab 9999. 0.00 min.

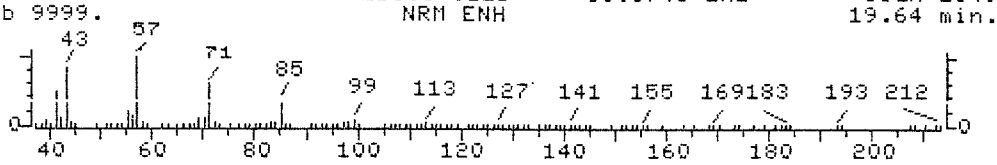


File >BIGDB Ethanone, 1-(2-methylphenyl)- (9CI) Scan 14486
Bpk Ab 9999. 0.00 min.

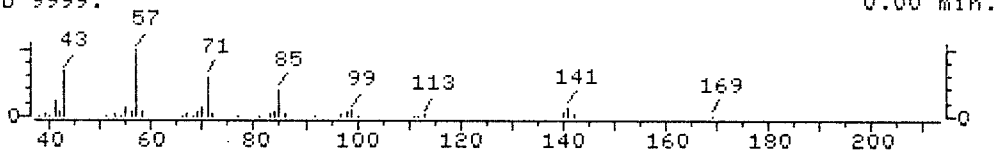



File >V0611
Bpk Ab 9999.
E1005-021D
NRM ENH
50.6746 1ML
Scan 961
13.48 min.
File >BIGDB
Cyclopentasiloxane, decamethyl- (8CI9CI)
Scan 37074
0.00 min.
File >BIGDB
13H-Dibenzo[a,i]carbazole (8CI9CI)
Scan 30878
0.00 min.
File >BIGDB
7H-Dibenzo[c,g]carbazole (8CI9CI)
Scan 30877
0.00 min.

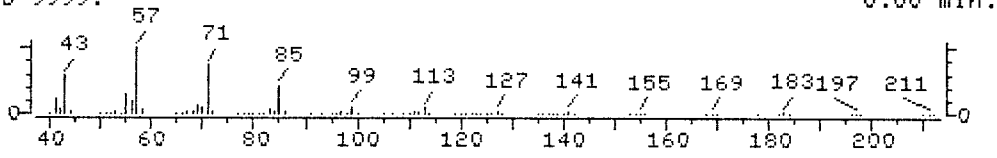
File >V0611 E1005-021D 50.6746 1ML Scan 1549
Bpk Ab 9999. NRM ENH 19.64 min.



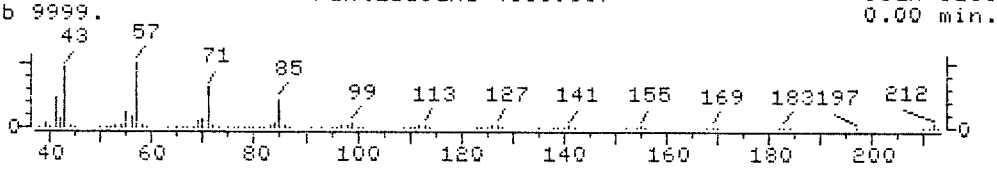
File >BIGDB Decane, 2,3,5-trimethyl- (9CI) Scan 6164
Bpk Ab 9999. 0.00 min.

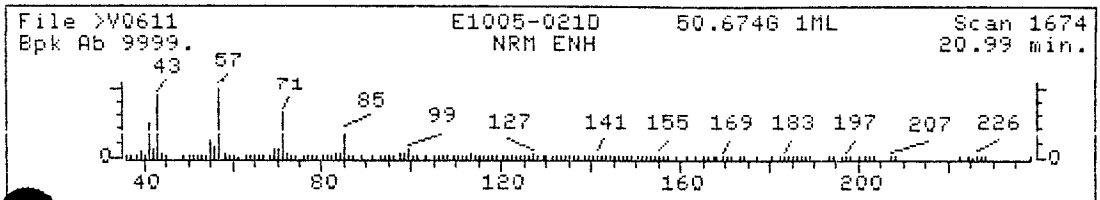


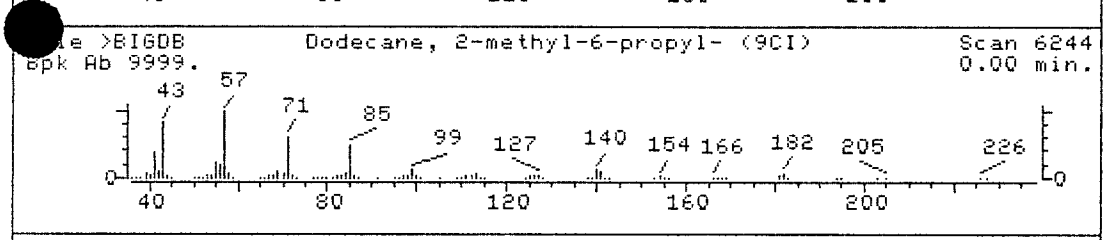
File >BIGDB Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161
Bpk Ab 9999. 0.00 min.

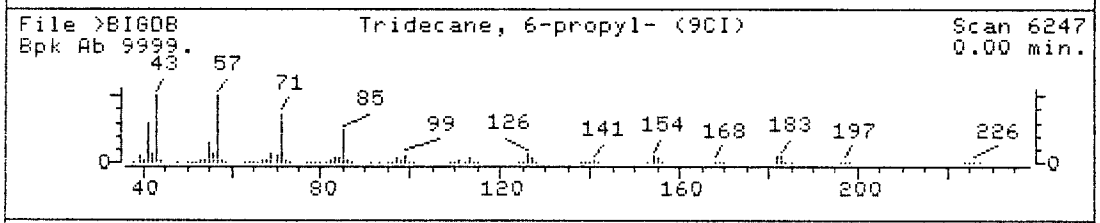


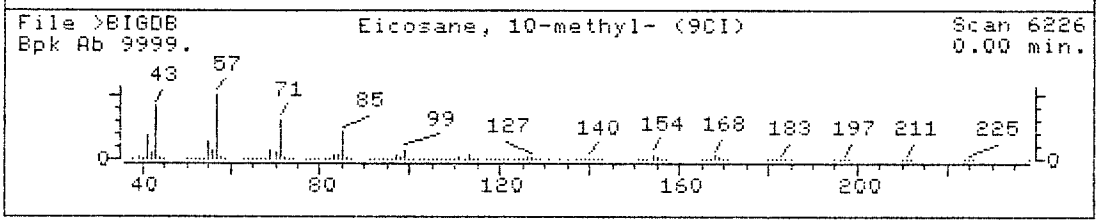
File >BIGDB Pentadecane (8CI9CI) Scan 6265
Bpk Ab 9999. 0.00 min.



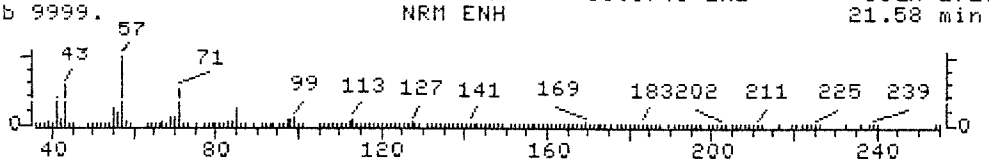

File >V0611
Bpk Ab 9999.
E1005-021D 50.6746 1ML
NRM ENH
Scan 1674
20.99 min.
43 57 71 85 99 127 141 155 169 183 197 207 226
40 80 120 160 200


File >BIGDB
Bpk Ab 9999.
Dodecane, 2-methyl-6-propyl- (9CI)
Scan 6244
0.00 min.
43 57 71 85 99 127 140 154 166 182 205 226
40 80 120 160 200

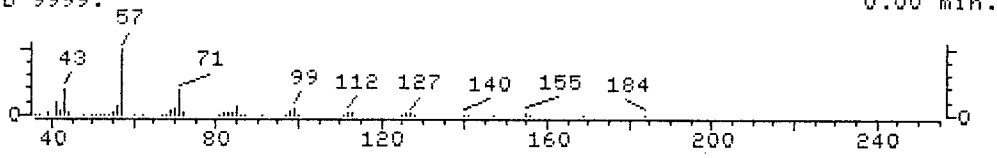

File >BIGDB
Bpk Ab 9999.
Tridecane, 6-propyl- (9CI)
Scan 6247
0.00 min.
43 57 71 85 99 126 141 154 168 183 197 226
40 80 120 160 200


File >BIGDB
Bpk Ab 9999.
Eicosane, 10-methyl- (9CI)
Scan 6226
0.00 min.
43 57 71 85 99 127 140 154 168 183 197 211 225
40 80 120 160 200

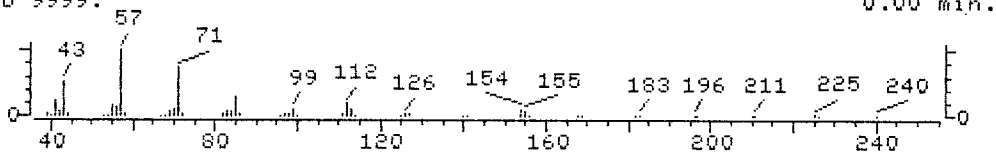
File >V0611 E1005-021D 50.674G 1ML Scan 1727
Bpk Ab 9999. NRM ENH 21.58 min.



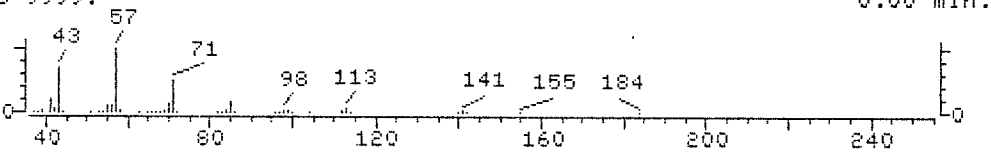
File >BIGDB Undecane, 3,5-dimethyl- (8CI) Scan 8754
Bpk Ab 9999. 0.00 min.



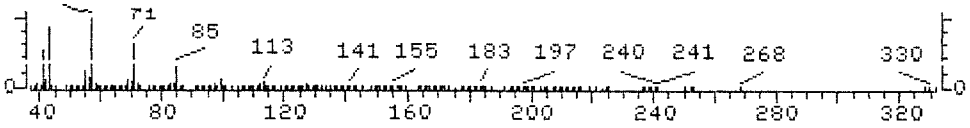
File >BIGDB Hexadecane, 7-methyl- (8CI9CI) Scan 4020
Bpk Ab 9999. 0.00 min.



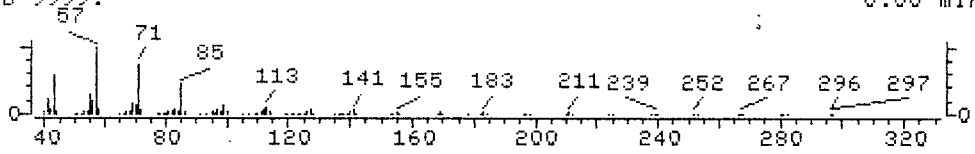
File >BIGDB Undecane, 4,6-dimethyl- (8CI) Scan 3957
Bpk Ab 9999. 0.00 min.



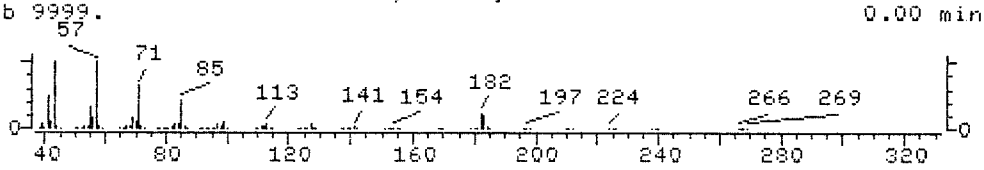
File >V0611 E1005-021D 50.6746 1ML Scan 1789
Bpk Ab 9999. NRM ENH 22.28 min.



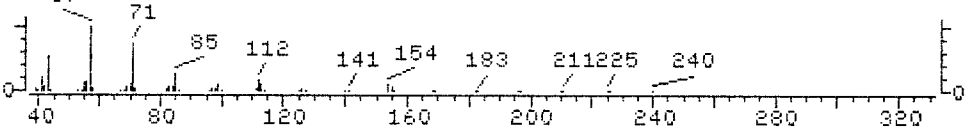
File >BIGDB Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161
Bpk Ab 9999. 0.00 min.

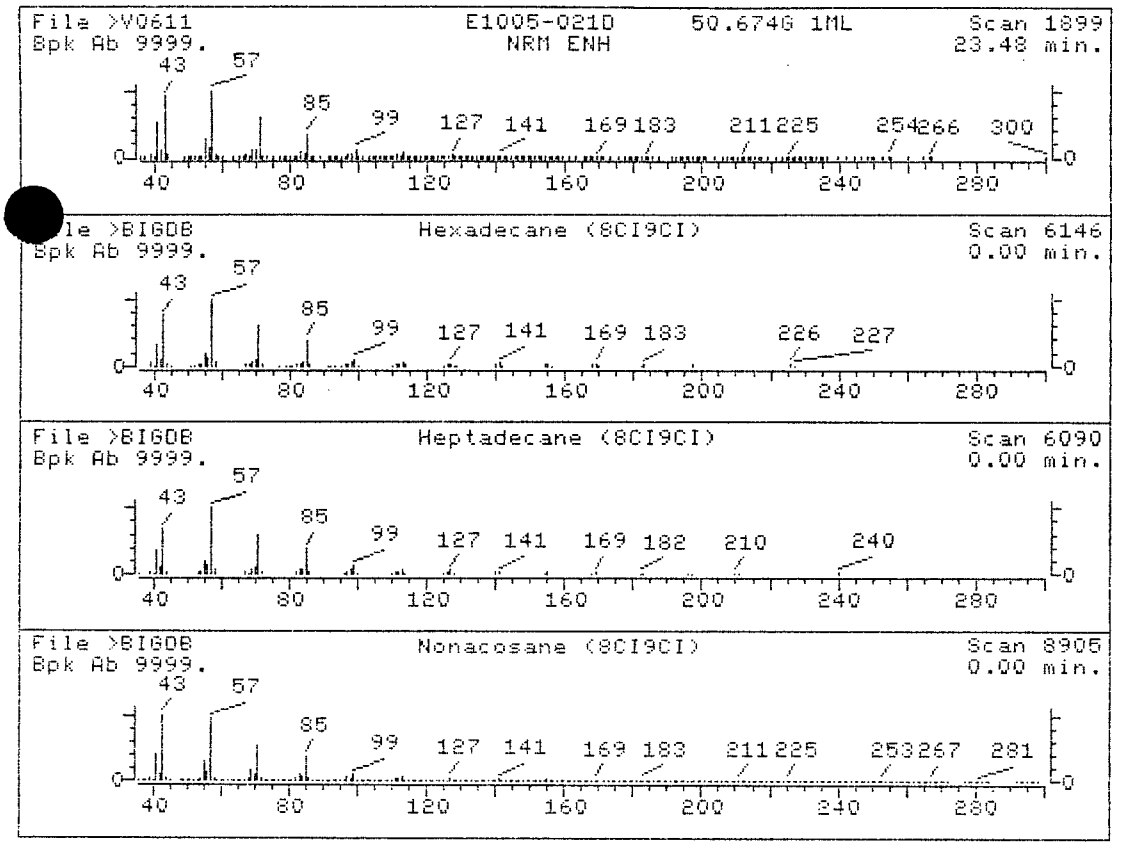


File >BIGDB Tridecane, 7-hexyl- (8CI9CI) Scan 21884
Bpk Ab 9999. 0.00 min.

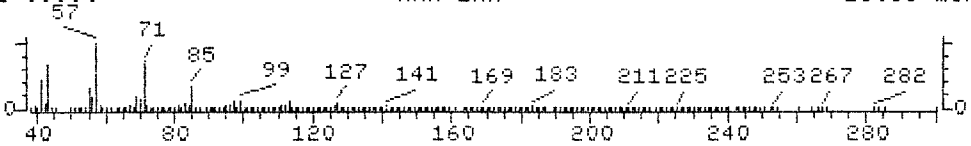


File >BIGDB Hexadecane, 7-methyl- (8CI9CI) Scan 4020
Bpk Ab 9999. 0.00 min.

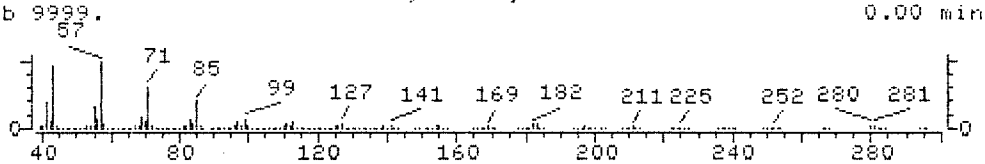



File >V0611
Bpk Ab 9999.
E1005-021D
NRM ENH
50.674G 1ML
Scan 1899
23.48 min.
43 57 85 99 127 141 169 183 211 225 254 266 300
File >BIGDB
Bpk Ab 9999.
Hexadecane (8CI9CI)
Scan 6146
0.00 min.
43 57 85 99 127 141 169 183 226 227
File >BIGDB
Bpk Ab 9999.
Heptadecane (8CI9CI)
Scan 6090
0.00 min.
43 57 85 99 127 141 169 182 210 240
File >BIGDB
Bpk Ab 9999.
Nonacosane (8CI9CI)
Scan 8905
0.00 min.
43 57 85 99 127 141 169 183 211 225 253 267 281
40 80 120 160 200 240 280

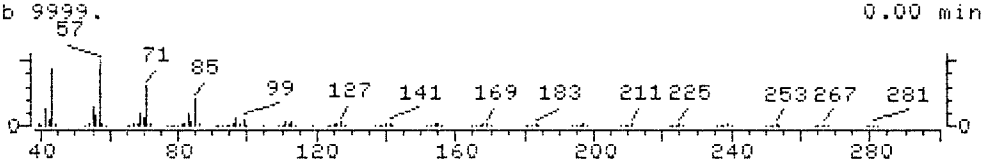
File >V0611 E1005-021D 50.674G 1ML Scan 1906
Bpk Ab 9999. NRM ENH 23.55 min.



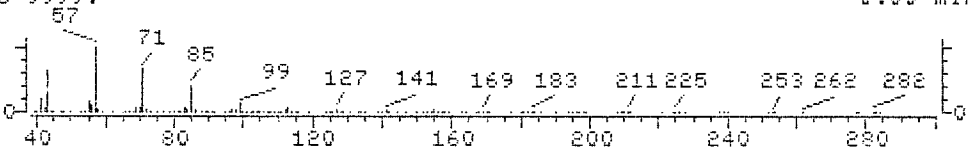
File >BIGDB Eicosane, 7-hexyl- (9CI) Scan 6285
Bpk Ab 9999. 0.00 min.

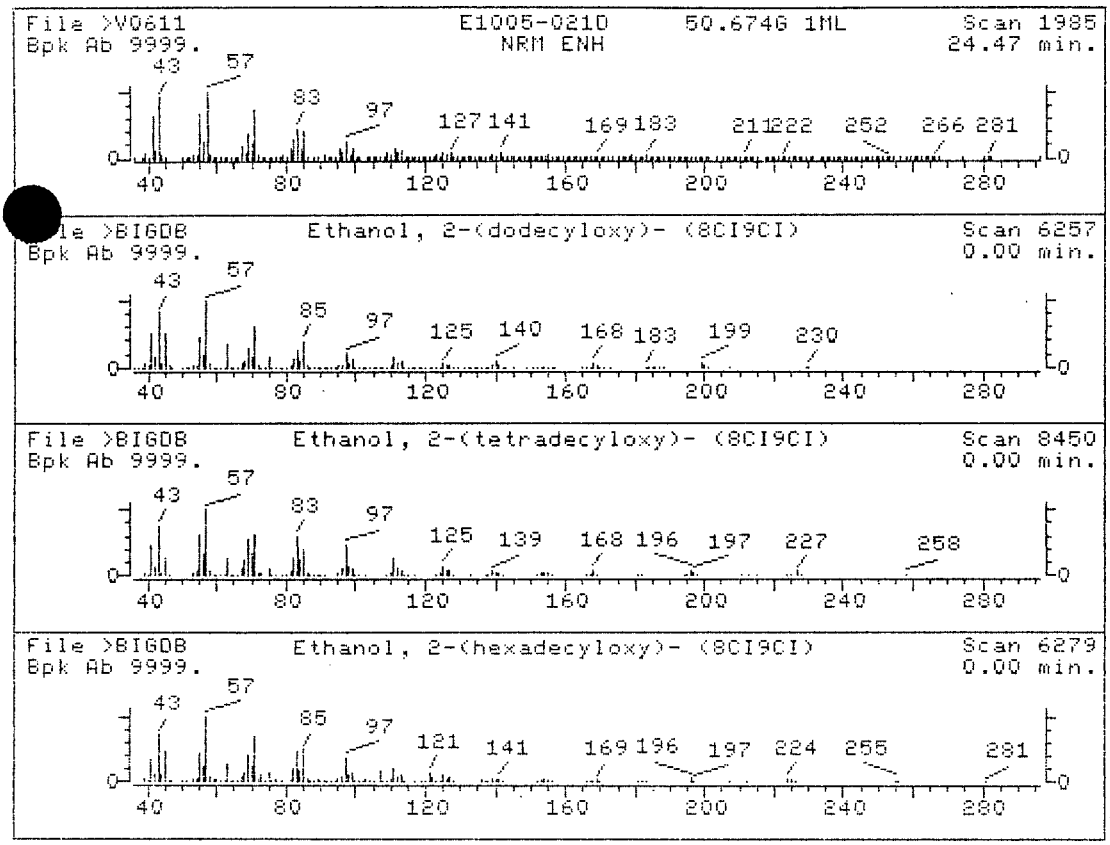


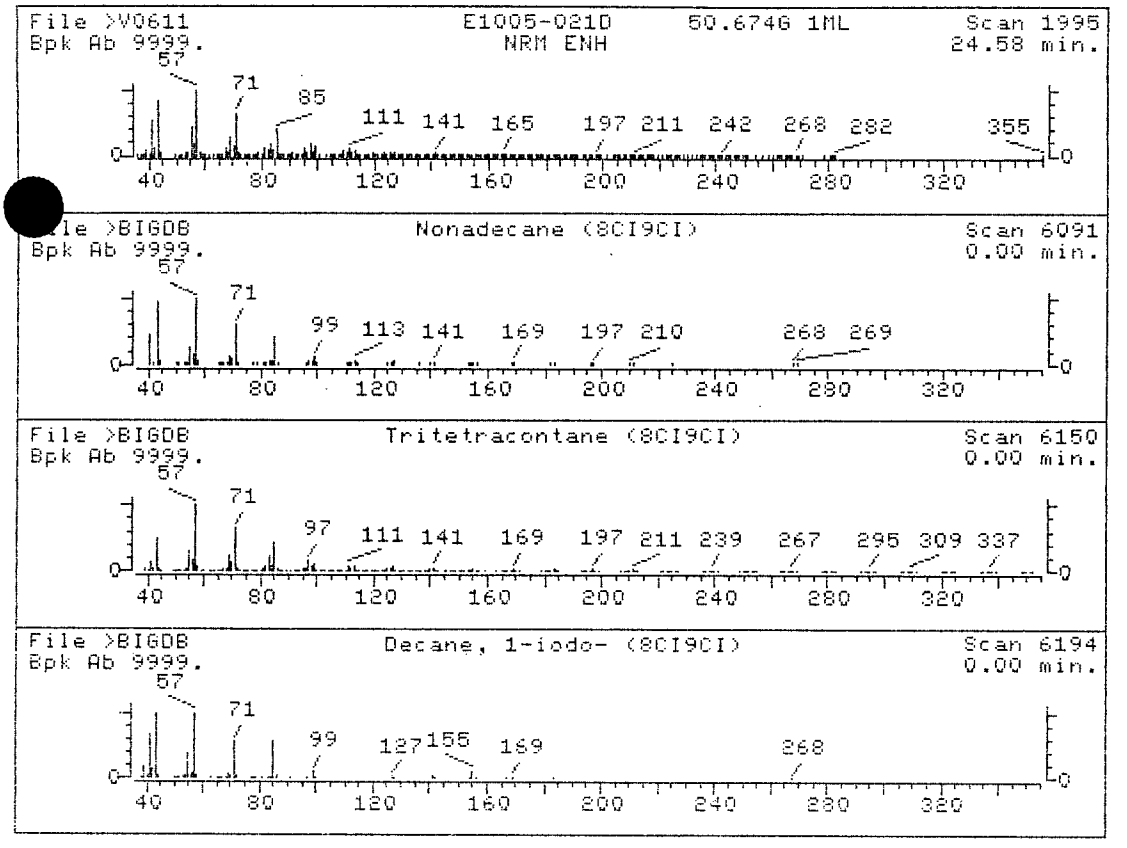
File >BIGDB Hexatriacontane (8CI9CI) Scan 6193
Bpk Ab 9999. 0.00 min.



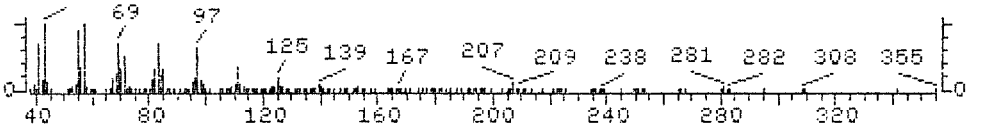
File >BIGDB Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene) Scan 6168
Bpk Ab 9999. 0.00 min.



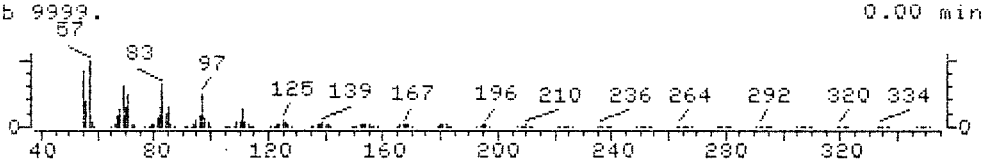

File >V0611
Bpk Ab 9999.
E1005-021D
NRM ENH
50.674G 1ML
Scan 1985
24.47 min.
43 57 83 97 127 141 169 183 211 222 252 266 281
File >BIGDB
Bpk Ab 9999.
Ethanol, 2-(dodecyloxy)- (8CI9CI)
Scan 6257
0.00 min.
43 57 85 97 125 140 168 183 199 230
File >BIGDB
Bpk Ab 9999.
Ethanol, 2-(tetradecyloxy)- (8CI9CI)
Scan 8450
0.00 min.
43 57 83 97 125 139 168 196 197 227 258
File >BIGDB
Bpk Ab 9999.
Ethanol, 2-(hexadecyloxy)- (8CI9CI)
Scan 6279
0.00 min.
43 57 85 97 121 141 169 196 197 224 255 281
40 80 120 160 200 240 280


File >V0611
Bpk Ab 9999.
E1005-0210 50.674G 1ML
NRM ENH
Scan 1995
24.58 min.
57 71 85 111 141 165 197 211 242 268 282 355
File >BIGDB
Bpk Ab 9999.
Nonadecane (8CI9CI)
Scan 6091
0.00 min.
57 71 99 113 141 169 197 210 268 269
File >BIGDB
Bpk Ab 9999.
Tritetracontane (8CI9CI)
Scan 6150
0.00 min.
57 71 97 111 141 169 197 211 239 267 295 309 337
File >BIGDB
Bpk Ab 9999.
Decane, 1-iodo- (8CI9CI)
Scan 6194
0.00 min.
57 71 99 127 155 169 268
40 80 120 160 200 240 280 320

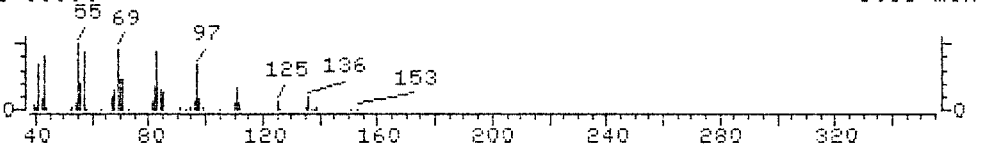
File >V0611 E1005-021D 50.6746 1ML Scan 2630
Bpk Ab 9999. NRM ENH 31.68 min.



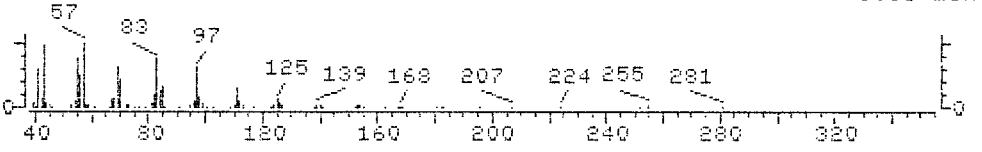
File >BIGDB 1-Dotriacontanol (8CI9CI) Scan 8333
Bpk Ab 9999. 0.00 min.

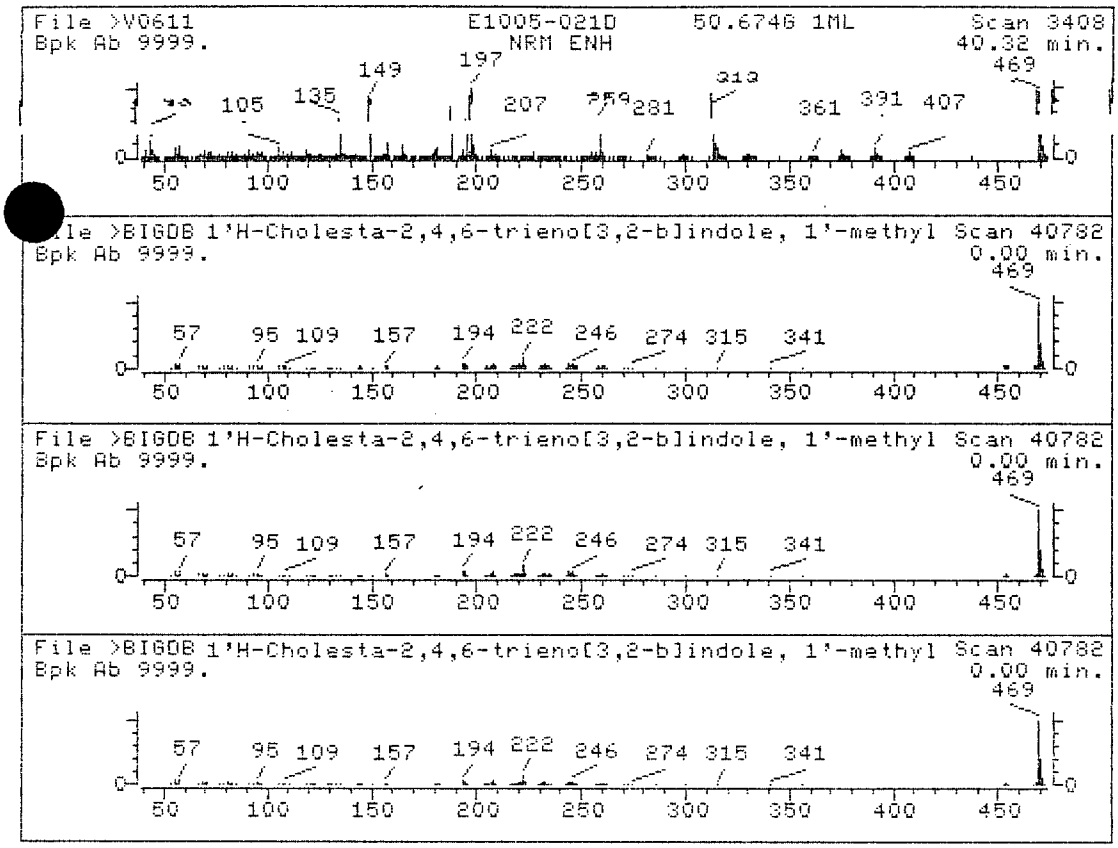


File >BIGDB Phosphonic acid, dioctadecyl ester (8CI9CI) Scan 8329
Bpk Ab 9999. 0.00 min.



File >BIGDB 1,2-Octadecanediol (8CI9CI) Scan 8464
Bpk Ab 9999. 0.00 min.




File >V0611
Bpk Ab 9999.
E1005-021D
NRM ENH
50.6746 1ML
Scan 3408
40.32 min.
469
149
197
105
135
207
281
361
391
407
File >BIGDB 1'H-Cholesta-2,4,6-trieno[3,2-b]indole, 1'-methyl
Scan 40782
0.00 min.
Bpk Ab 9999.
469
57
95
109
157
194
222
246
274
315
341
File >BIGDB 1'H-Cholesta-2,4,6-trieno[3,2-b]indole, 1'-methyl
Scan 40782
0.00 min.
Bpk Ab 9999.
469
57
95
109
157
194
222
246
274
315
341
File >BIGDB 1'H-Cholesta-2,4,6-trieno[3,2-b]indole, 1'-methyl
Scan 40782
0.00 min.
Bpk Ab 9999.
469
57
95
109
157
194
222
246
274
315
341
50
100
150
200
250
300
350
400
450

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-2A

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2A

Sample wt/vol: 50.6 (g/mL) g Lab File ID: >V0703

Level: (low/med) low Date Received: 10/05/94

% Moisture: 27 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	271	U
111-44-4	bis(2-Chloroethyl)ether	271	U
95-57-8	2-Chlorophenol	271	U
541-73-1	1,3-Dichlorobenzene	271	U
6-46-7	1,4-Dichlorobenzene	271	U
95-50-1	1,2-Dichlorobenzene	744	
95-48-7	2-Methylphenol	271	U
108-60-1	2,2'-oxybis(1-Chloropropane)	271	U
106-44-5	4-Methylphenol	271	U
621-64-7	N-Nitroso-di-n-propylamine	271	U
67-72-1	Hexachloroethane	271	U
98-95-3	Nitrobenzene	271	U
78-59-1	Isophorone	271	U
88-75-5	2-Nitrophenol	271	U
105-67-9	2,4-Dimethylphenol	271	U
111-91-1	bis(2-Chloroethoxy)methane	271	U
120-83-2	2,4-Dichlorophenol	271	U
120-82-1	1,2,4-Trichlorobenzene	271	U
91-20-3	Naphthalene	271	U
106-47-8	4-Chloroaniline	271	U
87-68-3	Hexachlorobutadiene	271	U
59-50-7	4-Chloro-3-methylphenol	271	U
91-57-6	2-Methylnaphthalene	271	U
77-47-4	Hexachlorocyclopentadiene	271	U
88-06-2	2,4,6-Trichlorophenol	271	U
95-95-4	2,4,5-Trichlorophenol	677	U
91-58-7	2-Chloronaphthalene	271	U
88-74-4	2-Nitroaniline	677	U
131-11-3	Dimethylphthalate	271	U
208-96-8	Acenaphthylene	271	U
606-20-2	2,6-Dinitrotoluene	271	U
-09-2	3-Nitroaniline	677	U
3-32-9	Acenaphthene	271	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-2A

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2A

Sample wt/vol: 50.6 (g/mL) g Lab File ID: >V0703

Level: (low/med) low Date Received: 10/05/94

% Moisture: 27 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	677	U
100-02-7	4-Nitrophenol	677	U
132-64-9	Dibenzofuran	271	U
121-14-2	2,4-Dinitrotoluene	271	U
-66-2	Diethylphthalate	271	U
005-72-3	4-chlorophenyl-phenylether	271	U
86-73-7	Fluorene	271	U
100-01-6	4-Nitroaniline	677	U
534-52-1	4,6-Dinitro-2-methylphenol	677	U
86-30-6	N-Nitrosodiphenylamine (1)	271	U
101-55-3	4-Bromophenyl-phenylether	271	U
118-74-1	Hexachlorobenzene	271	U
87-86-5	Pentachlorophenol	677	U
85-01-8	Phenanthrene	76	J
120-12-7	Anthracene	271	U
86-74-8	Carbazole	271	U
84-74-2	Di-n-butylphthalate	71	BJ
206-44-0	Fluoranthene	68	J
129-00-0	Pyrene	52	J
85-68-7	Butylbenzylphthalate	271	U
91-94-1	3,3'-Dichlorobenzidine	271	U
56-55-3	Benzo(a)anthracene	41	U
218-01-9	Chrysene	41	U
117-81-7	bis(2-Ethylhexyl)phthalate	271	U
117-84-0	Di-n-octylphthalate	271	U
205-99-2	Benzo(b)fluoranthene	41	U
207-08-9	Benzo(k)fluoranthene	41	U
50-32-8	Benzo(a)pyrene	41	U
193-39-5	Indeno(1,2,3-cd)pyrene	41	U
53-70-3	Dibenz(a,h)anthracene	41	U
191-24-2	Benzo(g,h,i)perylene	271	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MS-2A

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2A

Sample wt/vol: 50.6 (g/mL) g Lab File ID: >V0703

Level: (low/med) low Date Received: 10/05/94

% Moisture: 27 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.6

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALKYL SUBSTITUTED HYDROCARBON	5.69	3173	J
2.	127-18-4	TETRACHLOROETHENE	6.05	2957	J
3.		UNKNOWN ALKYL ALCOHOL	6.97	1472	J
4.		AROMATIC HYDROCARBON	8.54	347	J
5.		OCTAMETHYL CYCLOTETRASILOXANE	10.27	464	J
6.		ALKYL SUBSTITUTED HYDROCARBON	11.49	261	J
7.		ALKYL SUBSTITUTED AROMATIC	11.74	248	J
8.		UNKNOWN HYDROCARBON	13.45	728	J
9.		UNKNOWN HYDROCARBON	16.34	137	J
10.		UNKNOWN HYDROCARBON	19.60	192	J
11.		UNKNOWN HYDROCARBON	20.94	433	J
12.		ALKYL SUBSTITUTED HYDROCARBON	21.54	393	J
13.		ALKYL SUBSTITUTED HYDROCARBON	22.22	934	J
14.		ALKYL SUBSTITUTED HYDROCARBON	22.25	1382	J
15.		ALKYL SUBSTITUTED HYDROCARBON	23.41	1469	J
16.		ALKYL SUBSTITUTED HYDROCARBON	23.50	1050	J
17.		ALKYL SUBSTITUTED HYDROCARBON	24.43	491	J
18.	630-02-4	OCTACOSANE	24.56	1290	J
19.	57-10-3	HEXADECANOIC ACID	25.19	1533	J
20.		UNKNOWN HYDROCARBON	25.64	374	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

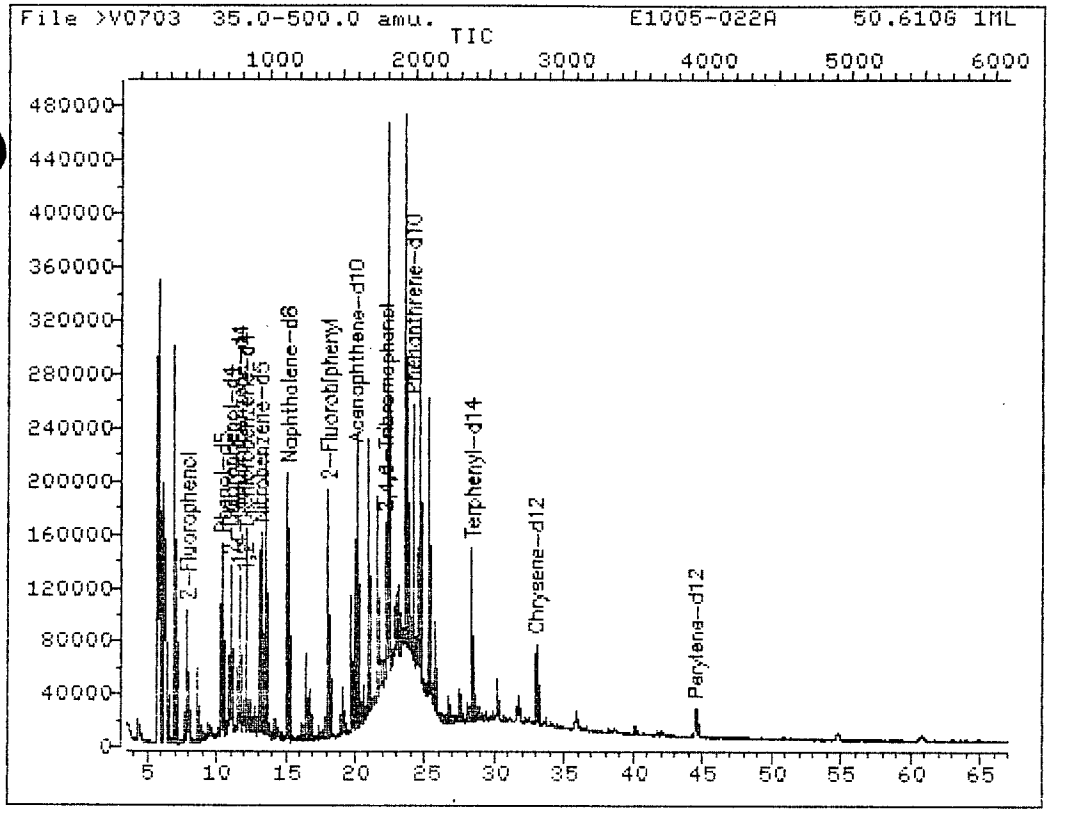
Operator ID: ANDY Quant Rev: 7 Quant Time: 941010 08:36
Output File: ^V0703::A5 Injected at: 941007 13:27
Data File: >V0703::A1 Dilution Factor: 1.00000
Name: E1005-02 Instrument ID: MACH-2
Misc: 2A 50.610G 1ML BTL# 4

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941007 11:43

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.57	152.0	54361	20.00	UG/ML	59
2)	2-Fluorophenol	7.83	112.0	74021	27.87	UG/ML	82
3)	Phenol-d5	10.39	99.0	101831	27.64	UG/ML	90
4)	2-Chlorophenol-d4	10.93	132.0	77942	28.01	UG/ML	89
5)	1,2-Dichlorobenzene-d4	12.02	152.0	42447	21.74	UG/ML	52
11)	1,2-Dichlorobenzene	12.06	146.0	86039	27.47	UG/ML	95
17)	*Naphthalene-d8	15.15	136.0	206709	20.00	UG/ML	96
18)	Nitrobenzene-d5	13.11	82.0	77924	21.50	UG/ML	56
31)	*Acenaphthene-d10	19.98	164.0	126795	20.00	UG/ML	98
36)	2-Fluorobiphenyl	18.05	172.0	139044	22.50	UG/ML	94
51)	*Phenanthrene-d10	24.05	188.0	204354	20.00	UG/ML	94
54)	2,4,6-Tribromophenol	22.12	330.0	37395	35.11	UG/ML	95
58)	Phenanthrene	24.11	178.0	23069	2.79	UG/ML	97
61)	Di-n-butylphthalate	25.35	149.0	29102	2.62	UG/ML	98
62)	Fluoranthene	27.36	202.0	18905	2.52	UG/ML	88
63)	*Chrysene-d12	32.93	240.0	109205	20.00	UG/ML	97
64)	Pyrene	28.07	202.0	14999	1.91	UG/ML	95
65)	Terphenyl-d14	28.34	244.0	139210	24.19	UG/ML	82
71)	*Perylene-d12	44.47	264.0	84884	20.00	UG/ML	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM

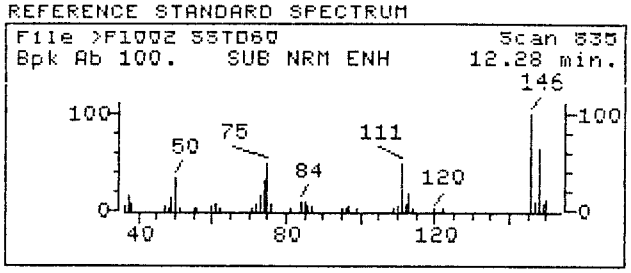


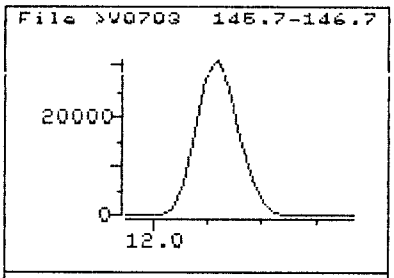
Data File: >V0703 Quant Output File: ^V0703::A5
Name: E1005-02 Instrument ID: MACH-2
Misc: 2A 50.610G 1ML BTL# 4

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941007 11:43

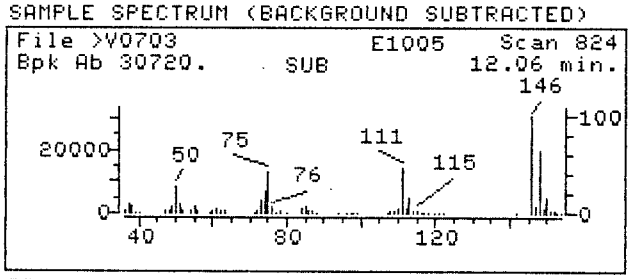
Operator ID: ANDY
Quant Time : 941010 08:36
Injected at: 941007 13:27

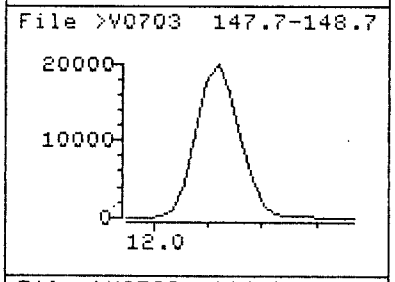
REFERENCE STANDARD SPECTRUM





SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





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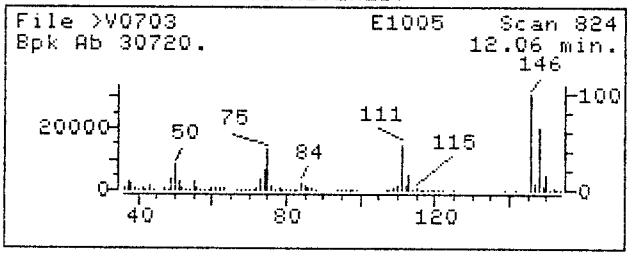
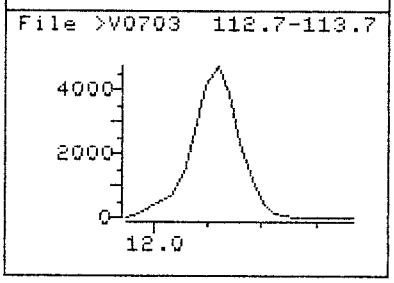


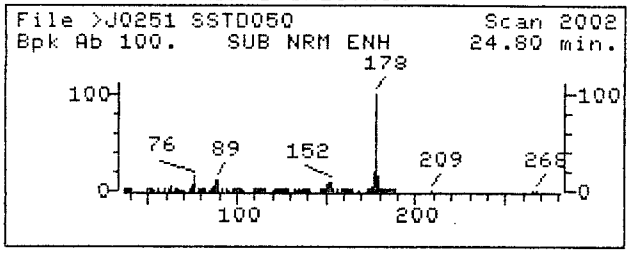


Data File: >V0703
Name: E1005-02
Misc: 2A 50.610G 1ML
Quant Time: 941010 08:36
Injected at: 941007 13:27
Last Qcal Time: 941007 11:43

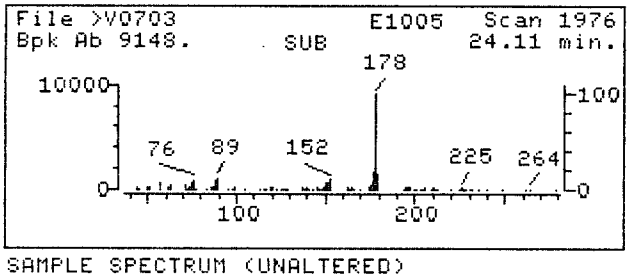
Quant Output File: ^V0703::A5
Instrument ID: MACH-2
BTL# 4
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 11
Compound Name : 1,2-Dichlorobenzene
Scan Number : 824
Retention Time: 12.06 min.
Quant Ion : 146.0
Area : 86039
Concentration : 27.47 UG/ML
q-value : 95

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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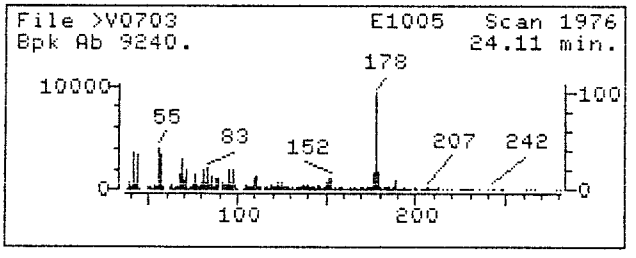
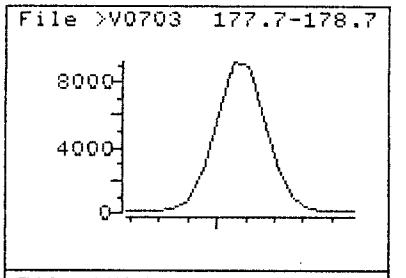
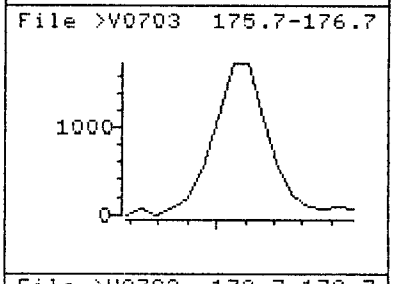
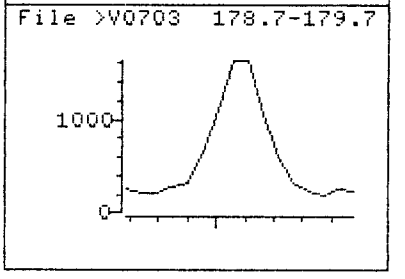






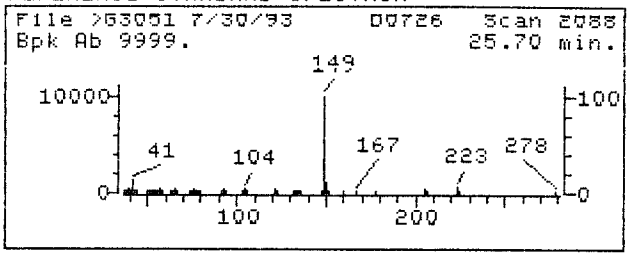


Data File: >V0703
Name: E1005-02
Misc: 2A 50.610G 1ML
Quant Time: 941010 08:36
Injected at: 941007 13:27
Last Qcal Time: 941007 11:43

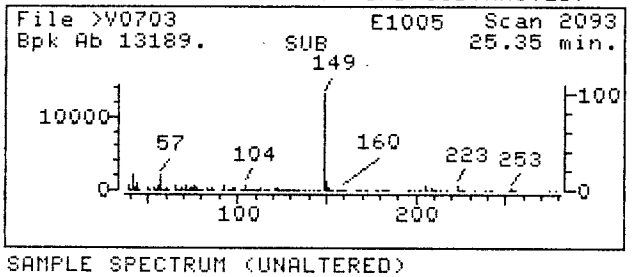
Quant Output File: ^V0703::A5
Instrument ID: MACH-2
BTL# 4
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 58
Compound Name : Phenanthrene
Scan Number : 1976
Retention Time: 24.11 min.
Quant Ion : 178.0
Area : 23069
Concentration : 2.79 UG/ML
q-value : 97

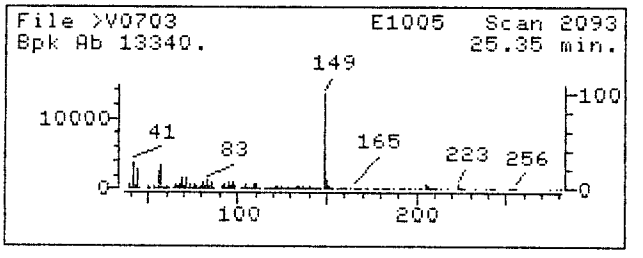
REFERENCE STANDARD SPECTRUM

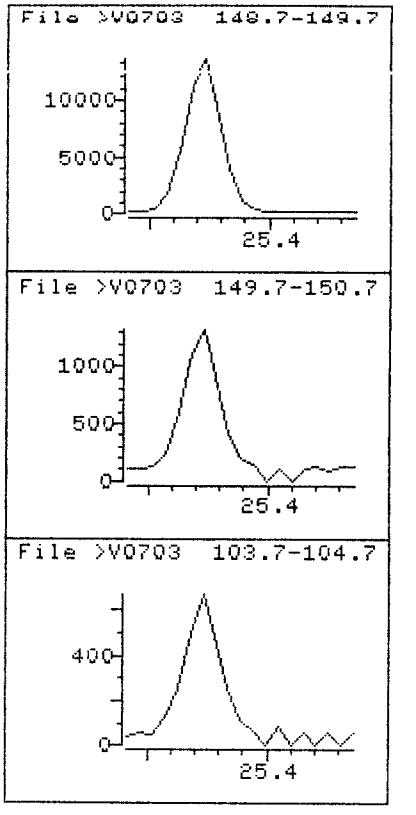


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



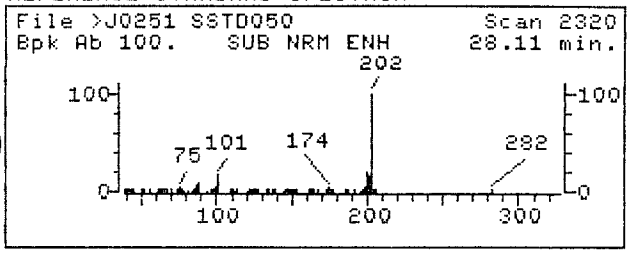


Data File: >V0703
Name: E1005-02
Misc: 2A 50.610G 1ML
Quant Time: 941010 08:36
Injected at: 941007 13:27
Last Qcal Time: 941007 11:43

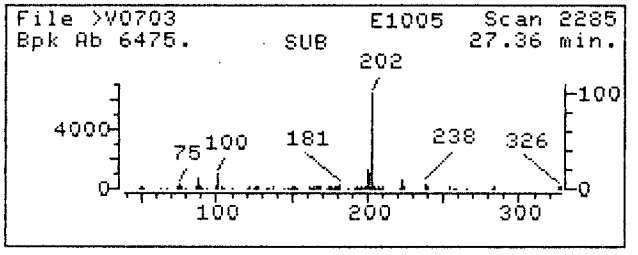
Quant Output File: ^V0703::A5
Instrument ID: MACH-2
BTL# 4
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 61
Compound Name : Di-n-butylphthalate
Scan Number : 2093
Retention Time: 25.35 min.
Quant Ion : 149.0
Area : 29102
Concentration : 2.62 UG/ML
q-value : 98

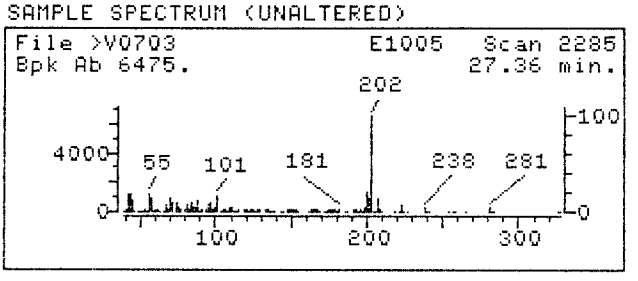
REFERENCE STANDARD SPECTRUM

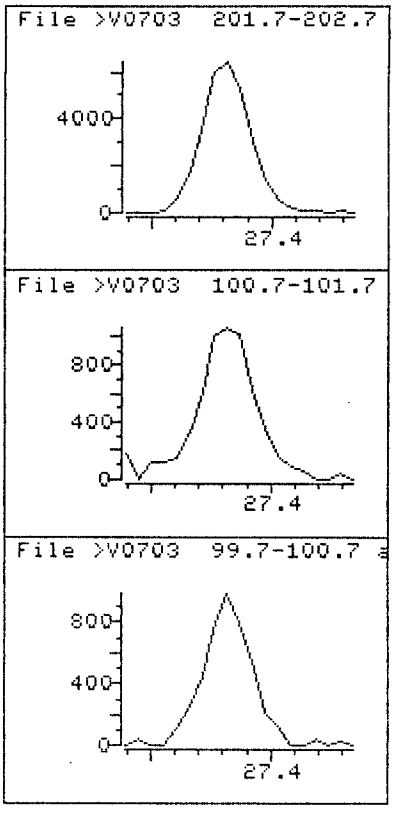


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



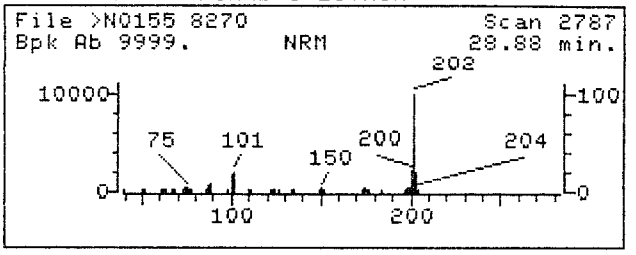


Data File: >V0703
Name: E1005-02
Misc: 2A 50.610G 1ML
Quant Time: 941010 08:36
Injected at: 941007 13:27
Last Qcal Time: 941007 11:43

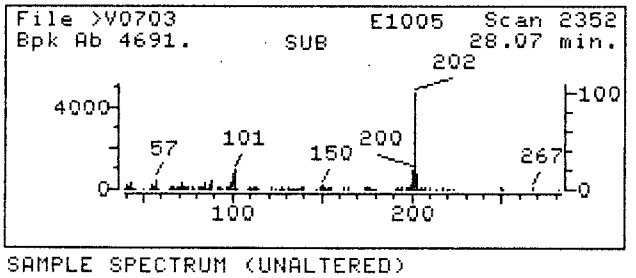
Quant Output File: ^V0703::A5
Instrument ID: MACH-2
BTL# 4
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 62
Compound Name : Fluoranthene
Scan Number : 2285
Retention Time: 27.36 min.
Quant Ion : 202.0
Area : 18905
Concentration : 2.52 UG/ML
q-value : 88

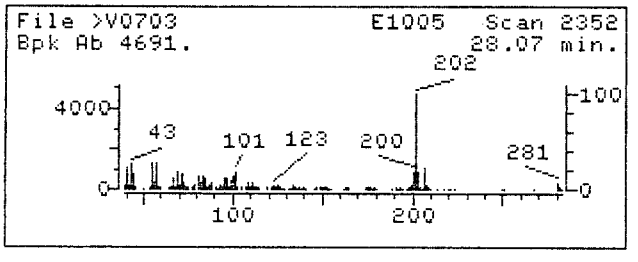
REFERENCE STANDARD SPECTRUM

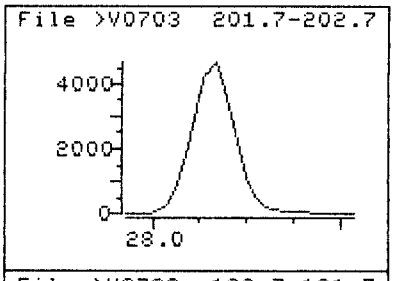


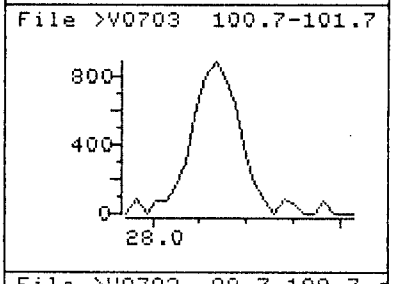
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

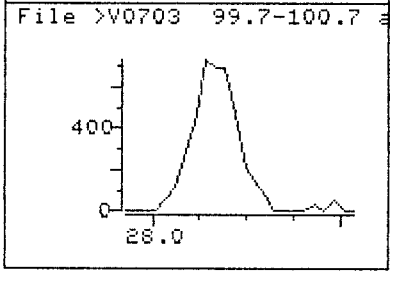


SAMPLE SPECTRUM (UNALTERED)







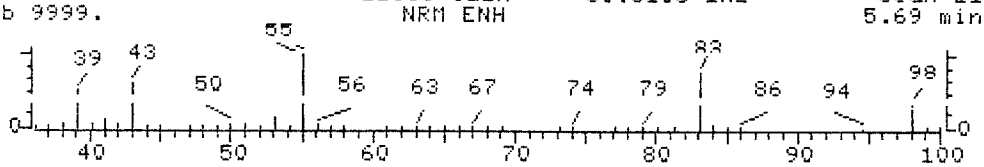


Data File: >V0703
Name: E1005-02
Misc: 2A 50.610G 1ML
Quant Time: 941010 08:36
Injected at: 941007 13:27
Last Qcal Time: 941007 11:43

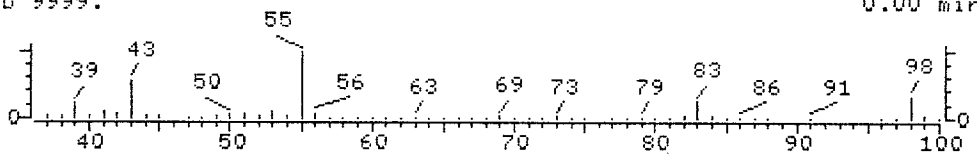
Quant Output File: ^V0703::A5
Instrument ID: MACH-2
BTL# 4
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 64
Compound Name : Pyrene
Scan Number : 2352
Retention Time: 28.07 min.
Quant Ion : 202.0
Area : 14999
Concentration : 1.91 UG/ML
q-value : 95

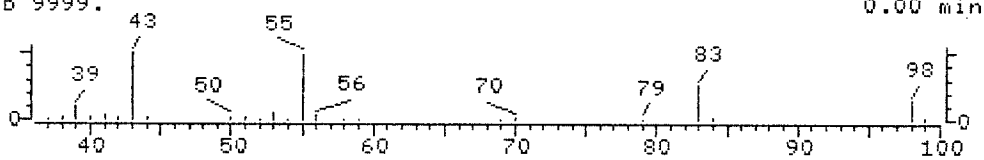
File >V0703 E1005-022A 50.610G 1ML Scan 212
Bpk Ab 9999. NRM ENH 5.69 min.



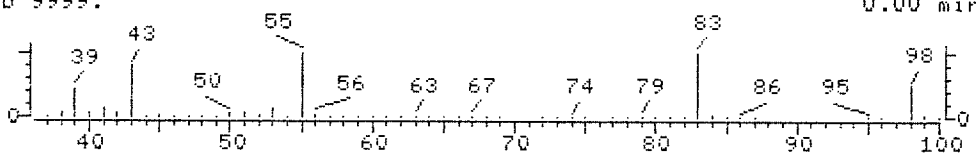
File >BIGDB 3-Penten-2-one, 3-methyl- (8CI9CI) Scan 8488
Bpk Ab 9999. 0.00 min.



File >BIGDB 2-Pentanone, 3-methylene- (8CI9CI) Scan 8504
Bpk Ab 9999. 0.00 min.



File >BIGDB 3-Penten-2-one, 4-methyl- (8CI9CI) Scan 8486
Bpk Ab 9999. 0.00 min.

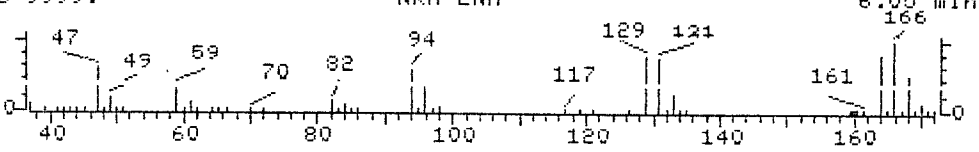


File >V0703
Bpk Ab 9999.

E1005-022A
NRM ENH

50.6106 1ML

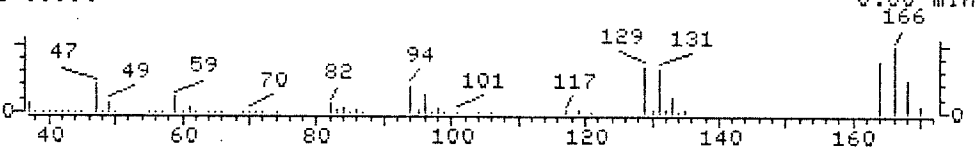
Scan 247
6.05 min.



File PRIPOL
Bpk Ab 9999.

Ethene, tetrachloro-

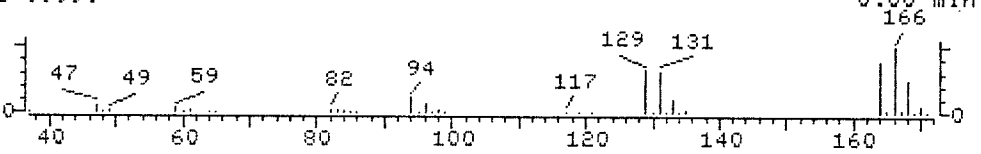
Scan 184
0.00 min.



File PRIPOL
Bpk Ab 9999.

Ethene, tetrachloro-

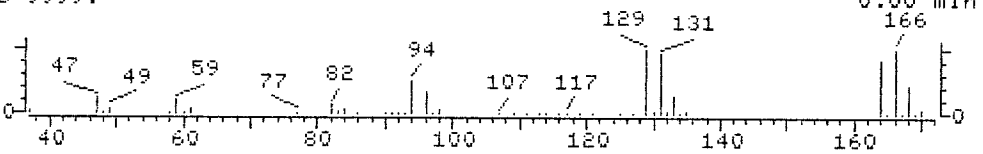
Scan 181
0.00 min.

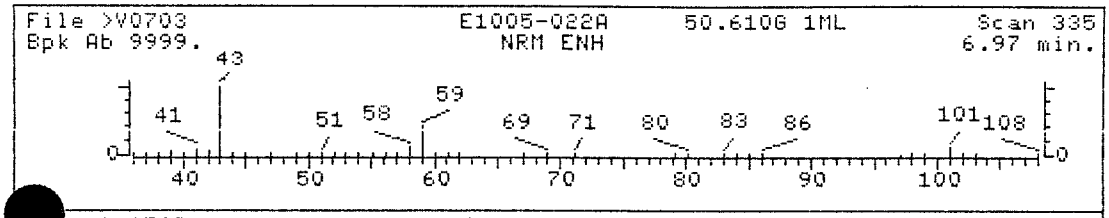


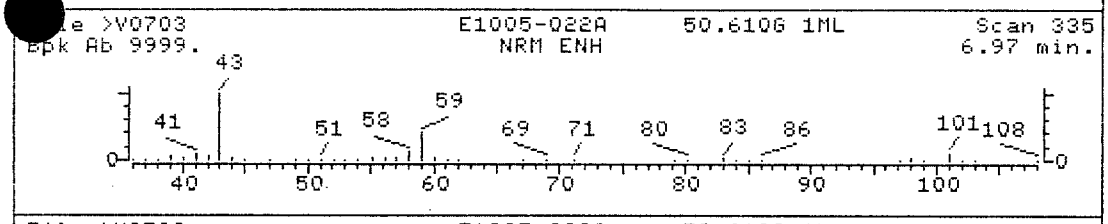
File PRIPOL
Bpk Ab 9999.

Ethene, tetrachloro-

Scan 182
0.00 min.




File >V0703
Bpk Ab 9999.
E1005-022A
NRM ENH
50.6106 1ML
Scan 335
6.97 min.
43
41
51
58
59
69
71
80
83
86
101
108
0
40
50
60
70
80
90
100


e >V0703
Bpk Ab 9999.
E1005-022A
NRM ENH
50.6106 1ML
Scan 335
6.97 min.
43
41
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59
69
71
80
83
86
101
108
0
40
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90
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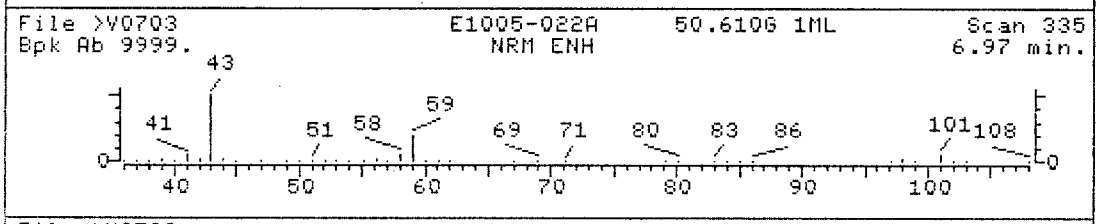
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E1005-022A
NRM ENH
50.6106 1ML
Scan 335
6.97 min.
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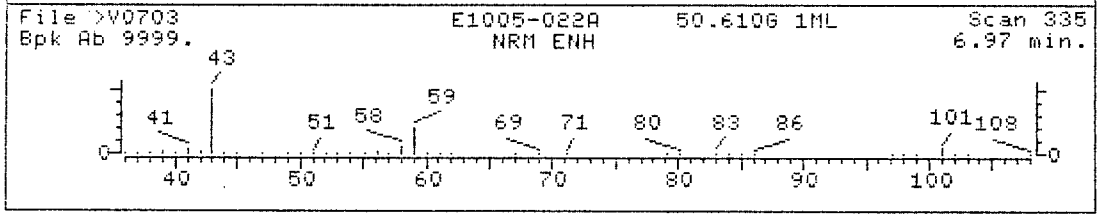
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E1005-022A
NRM ENH
50.6106 1ML
Scan 335
6.97 min.
43
41
51
58
59
69
71
80
83
86
101
108
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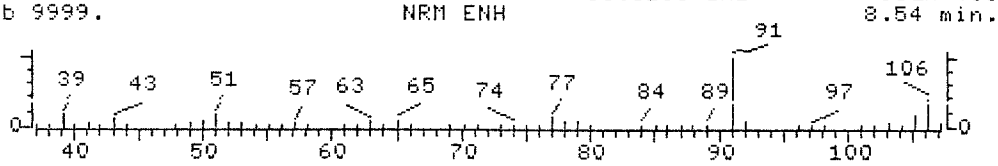
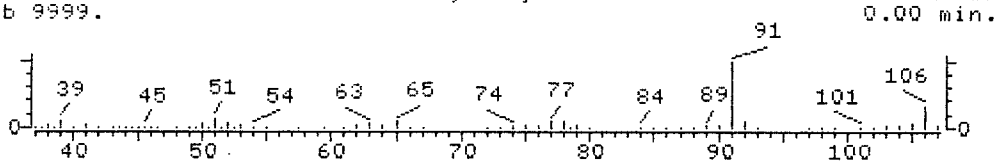
70
80
90
100

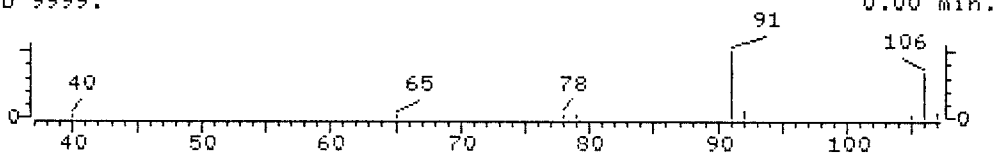
File >V0703 E1005-022A 50.610G 1ML Scan 486
Bpk Ab 9999. NRM ENH 8.54 min.



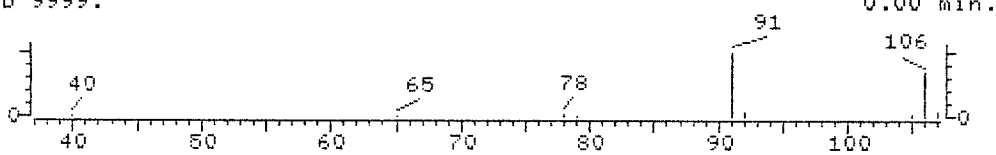
File PRIPOL Benzene, ethyl- Scan 67
Bpk Ab 9999. 0.00 min.



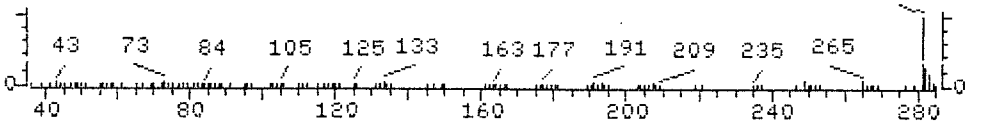
File PRIPOL Benzene, ethyl- Scan 68
Bpk Ab 9999. 0.00 min.



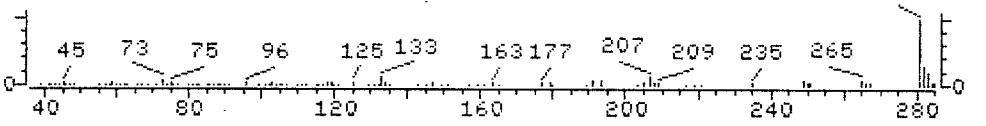
File PRIPOL Benzene, ethyl- Scan 68
Bpk Ab 9999. 0.00 min.



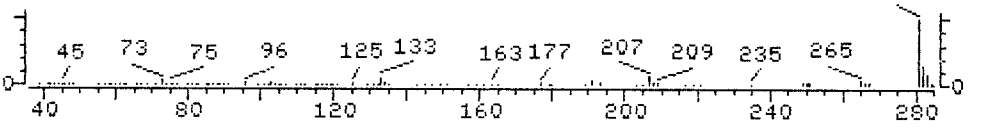
File >V0703 E1005-022A 50.6106 1ML Scan 652
Bpk Ab 9999. NRM ENH 10.27 min.



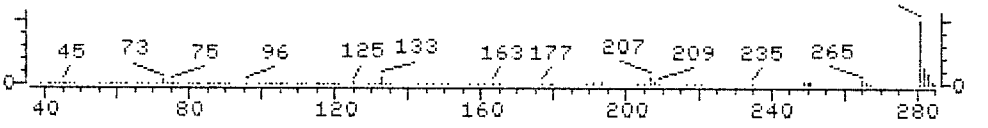
File >BIGDB Cyclotetrasiloxane, octamethyl- (8CI9CI) Scan 32181
Bpk Ab 9999. 0.00 min.



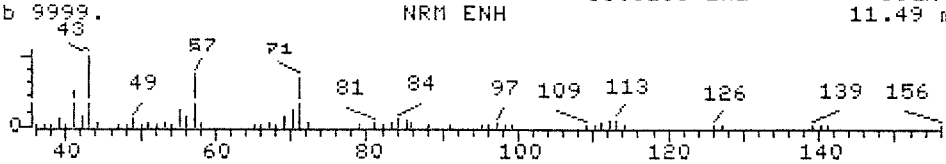
File >BIGDB Cyclotetrasiloxane, octamethyl- (8CI9CI) Scan 32181
Bpk Ab 9999. 0.00 min.



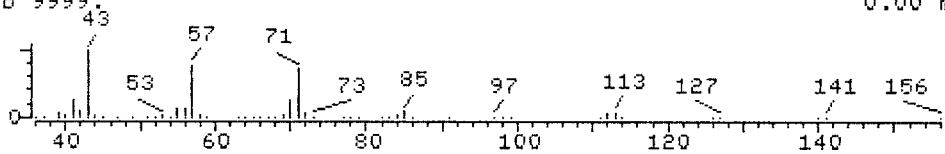
File >BIGDB Cyclotetrasiloxane, octamethyl- (8CI9CI) Scan 32181
Bpk Ab 9999. 0.00 min.



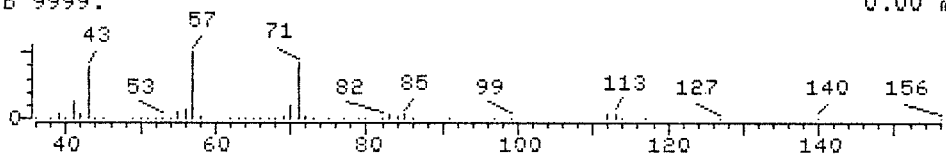
File >V0703 E1005-022A 50.610G 1ML Scan 769
Bpk Ab 9999. NRM ENH 11.49 min.



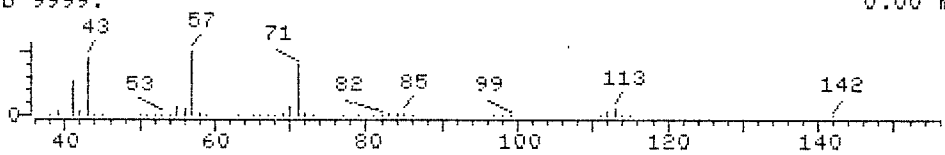
File >BIGDB Nonane, 2,6-dimethyl- (8CI9CI) Scan 3956
Bpk Ab 9999. 0.00 min.



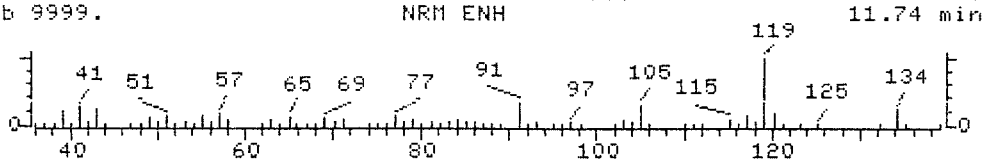
File >BIGDB Octane, 2,3,6-trimethyl- (9CI) Scan 3961
Bpk Ab 9999. 0.00 min.



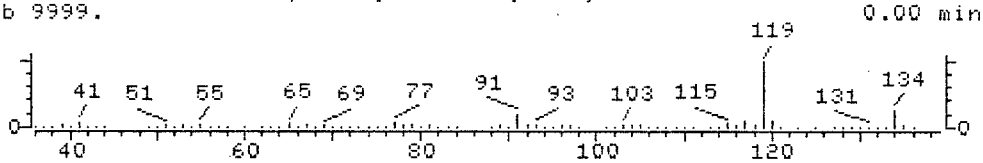
File >BIGDB Heptane, 3-ethyl-5-methyl- (9CI) Scan 3958
Bpk Ab 9999. 0.00 min.



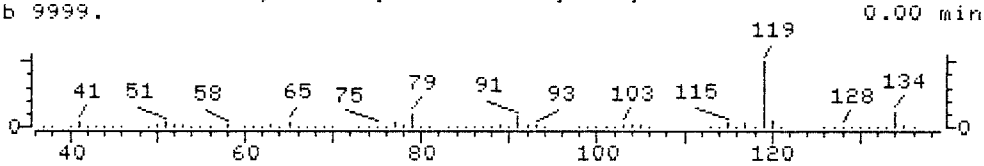
File >V0703 E1005-022A 50.610G 1ML Scan 793
Bpk Ab 9999. NRM ENH 11.74 min.



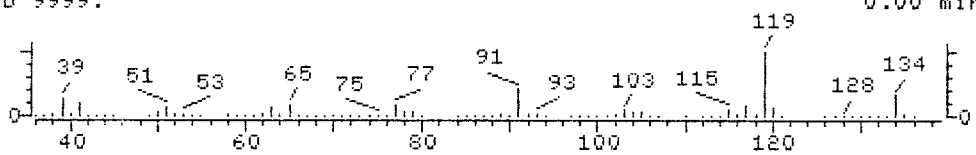
File >BIGDB Benzene, methyl(1-methylethyl)- (9CI) Scan 12177
Bpk Ab 9999. 0.00 min.



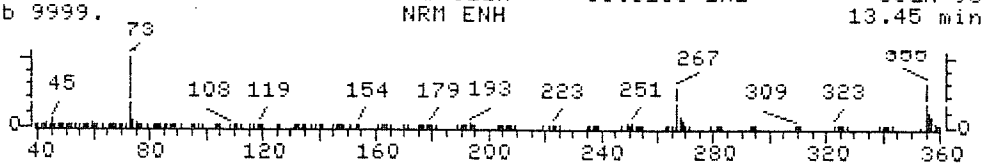
File >BIGDB Benzene, 1-methyl-2-(1-methylethyl)- (9CI) Scan 12169
Bpk Ab 9999. 0.00 min.



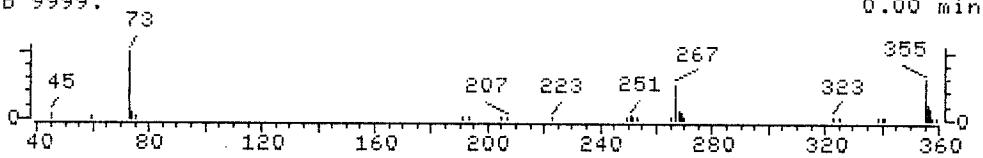
File >BIGDB Benzene, 1-methyl-4-(1-methylethyl)- (9CI) Scan 12178
Bpk Ab 9999. 0.00 min.



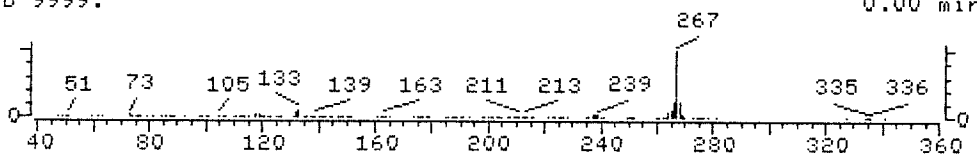
File >V0703 E1005-022A 50.610G 1ML Scan 957
Bpk Ab 9999. NRM ENH 13.45 min.



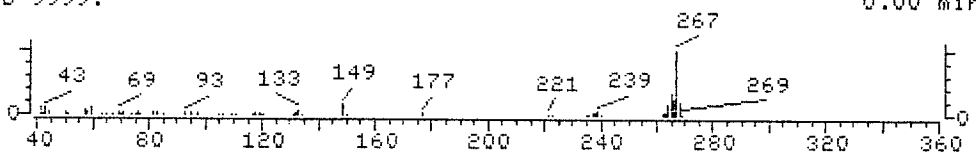
le >BIGDB Cyclopentasiloxane, decamethyl- (8CI9CI) Scan 37074
Bpk Ab 9999. 0.00 min.



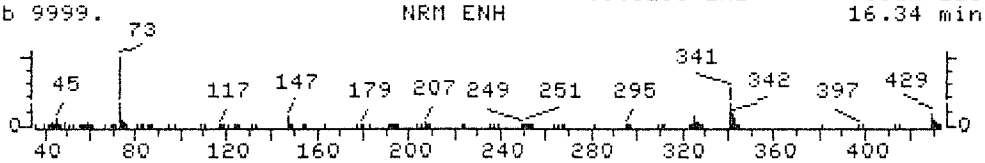
File >BIGDB 13H-Dibenzo[a,i]carbazole (8CI9CI) Scan 30878
Bpk Ab 9999. 0.00 min.



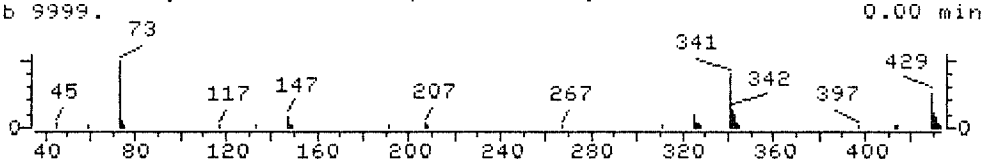
File >BIGDB 7H-Dibenzo[c,g]carbazole (8CI9CI) Scan 30877
Bpk Ab 9999. 0.00 min.



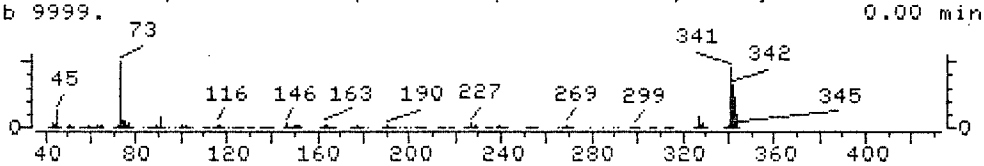
File >V0703 E1005-022A 50.6106 1ML Scan 1235
Bpk Ab 9999. NRM ENH 16.34 min.



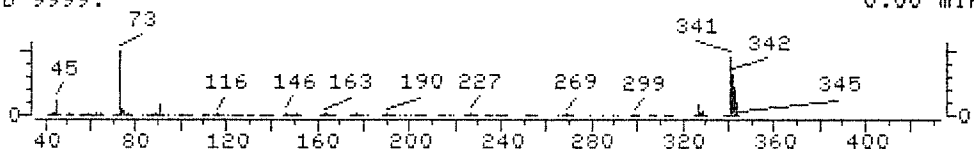
File >BIGDB Cyclohexasiloxane, dodecamethyl- (8CI9CI) Scan 39922
Bpk Ab 9999. 0.00 min.

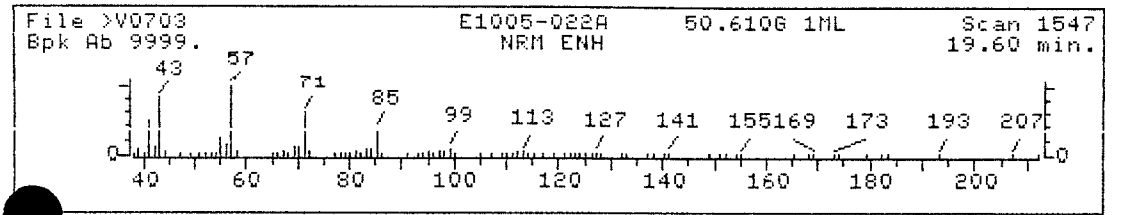


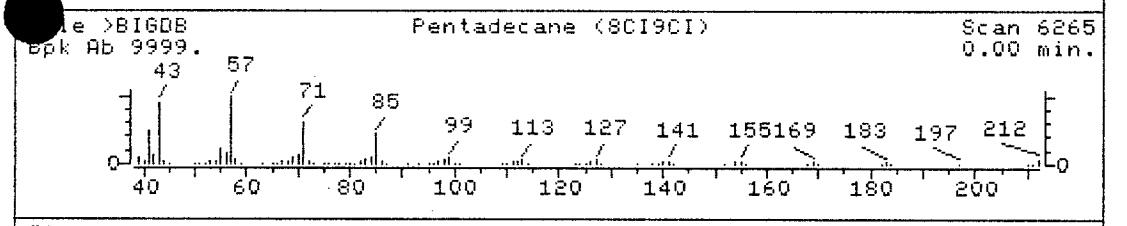
File >BIGDB 2H-1,4-Benzodiazepin-2-one, 7-chloro-1,3-dihydro- Scan 36404
Bpk Ab 9999. 0.00 min.

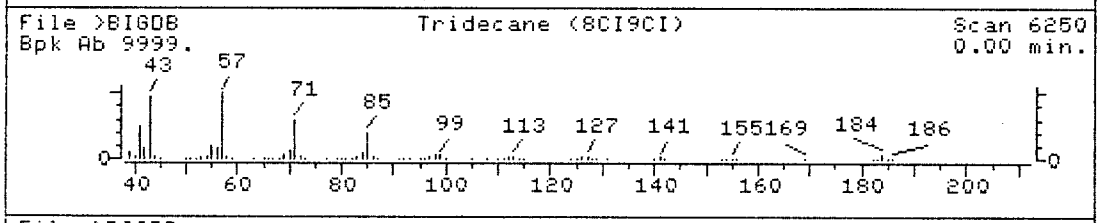


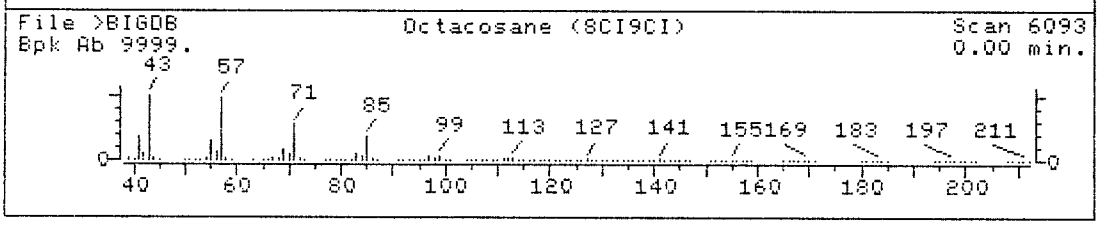
File >BIGDB 2H-1,4-Benzodiazepin-2-one, 7-chloro-1,3-dihydro- Scan 36404
Bpk Ab 9999. 0.00 min.



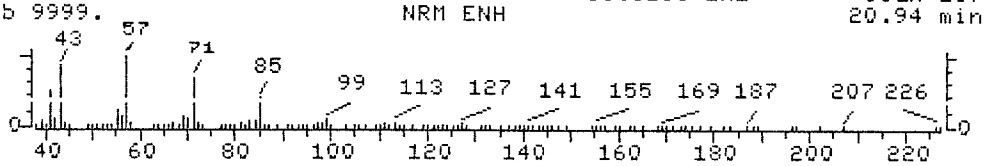

File >V0703
Bpk Ab 9999.
E1005-022A
NRM ENH
50.610G 1ML
Scan 1547
19.60 min.
43 57 71 85 99 113 127 141 155169 173 193 207
40 60 80 100 120 140 160 180 200


File >BIGDB
Bpk Ab 9999.
Pentadecane (8CI9CI)
Scan 6265
0.00 min.
43 57 71 85 99 113 127 141 155169 183 197 212
40 60 80 100 120 140 160 180 200

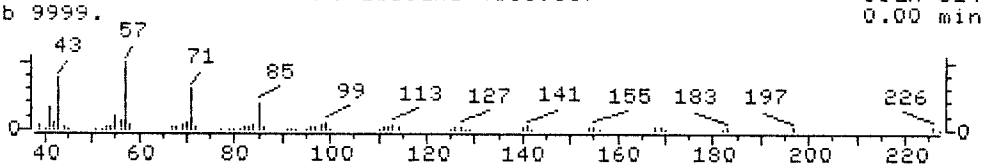

File >BIGDB
Bpk Ab 9999.
Tridecane (8CI9CI)
Scan 6250
0.00 min.
43 57 71 85 99 113 127 141 155169 184 186
40 60 80 100 120 140 160 180 200


File >BIGDB
Bpk Ab 9999.
Octacosane (8CI9CI)
Scan 6093
0.00 min.
43 57 71 85 99 113 127 141 155169 183 197 211
40 60 80 100 120 140 160 180 200

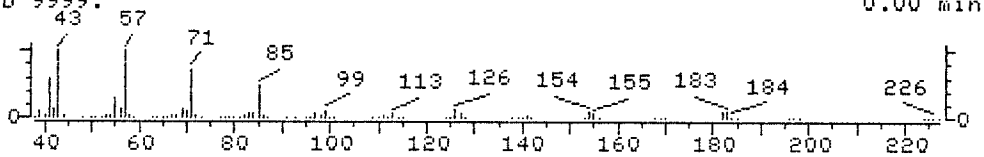
File >V0703 E1005-022A 50.610G 1ML Scan 1675
Bpk Ab 9999. NRM ENH 20.94 min.



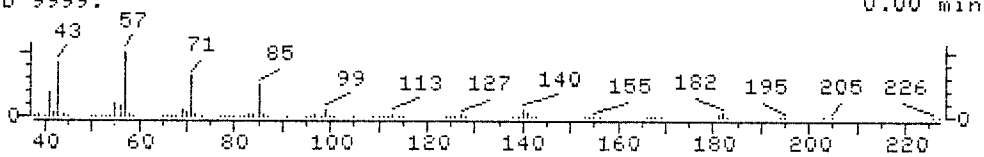
File >BIGDB Hexadecane (8CI9CI) Scan 6146
Bpk Ab 9999. 0.00 min.



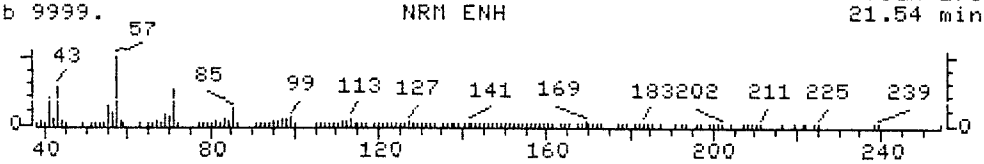
File >BIGDB Tridecane, 6-propyl- (9CI) Scan 6247
Bpk Ab 9999. 0.00 min.



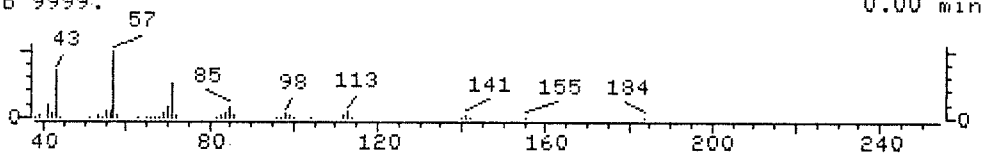
File >BIGDB Dodecane, 2-methyl-6-propyl- (9CI) Scan 6244
Bpk Ab 9999. 0.00 min.



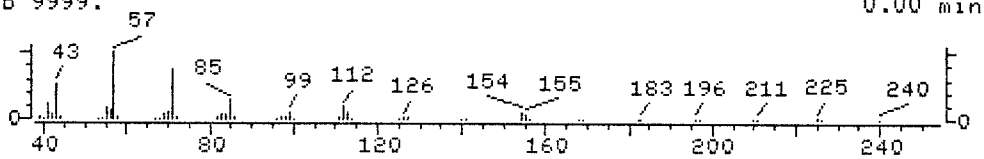
File >V0703 E1005-022A 50.610G 1ML Scan 1732
Bpk Ab 9999. NRM ENH 21.54 min.



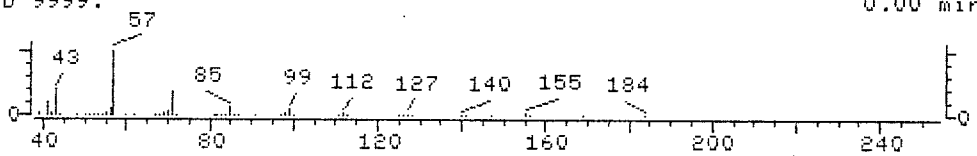
File >BIGDB Undecane, 4,6-dimethyl- (8CI) Scan 3957
Bpk Ab 9999. 0.00 min.



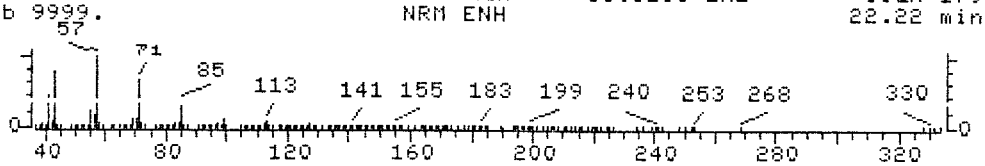
File >BIGDB Hexadecane, 7-methyl- (8CI9CI) Scan 4020
Bpk Ab 9999. 0.00 min.



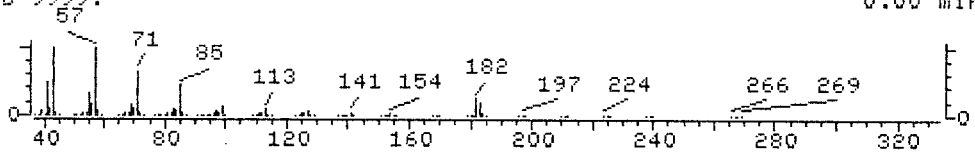
File >BIGDB Undecane, 3,5-dimethyl- (8CI) Scan 8754
Bpk Ab 9999. 0.00 min.



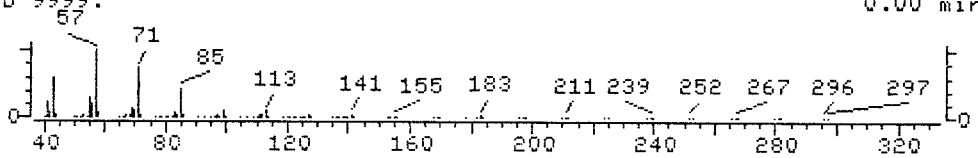
File >V0703 E1005-022A 50.6106 1ML Scan 1797
Bpk Ab 9999. NRM ENH 22.22 min.



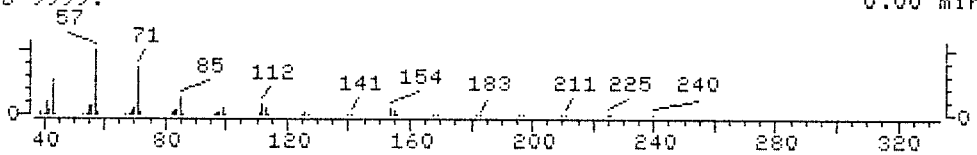
File >BIGDB Tridecane, 7-hexyl- (8CI9CI) Scan 21884
Bpk Ab 9999. 0.00 min.



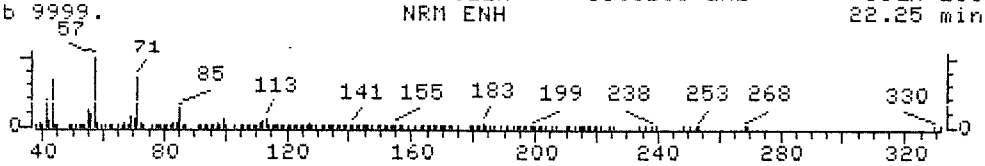
File >BIGDB Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161
Bpk Ab 9999. 0.00 min.



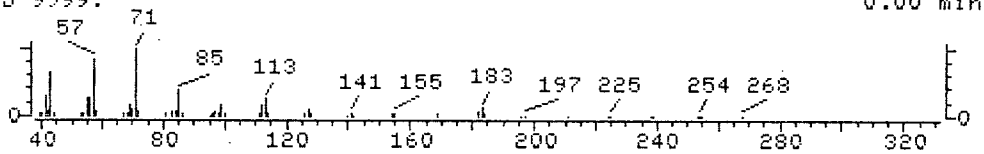
File >BIGDB Hexadecane, 7-methyl- (8CI9CI) Scan 4020
Bpk Ab 9999. 0.00 min.



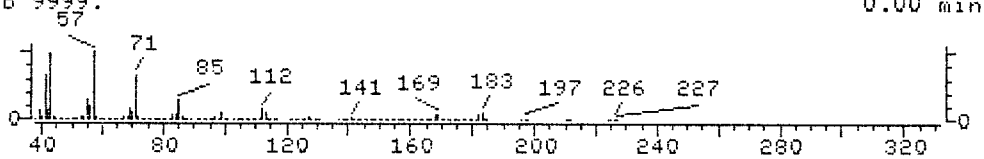
File >V0703 E1005-022A 50.6106 1ML Scan 1800
Bpk Ab 9999. NRM ENH 22.25 min.



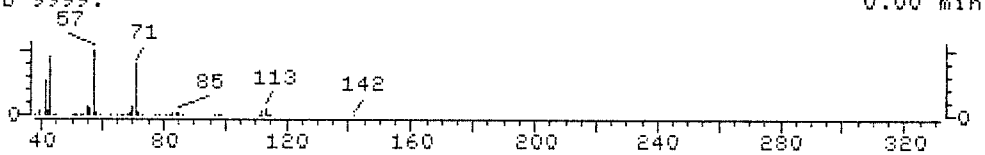
File >BIGDB Pentadecane, 2,6,10,14-tetramethyl- (8CI9CI) Scan 11242
Bpk Ab 9999. 0.00 min.

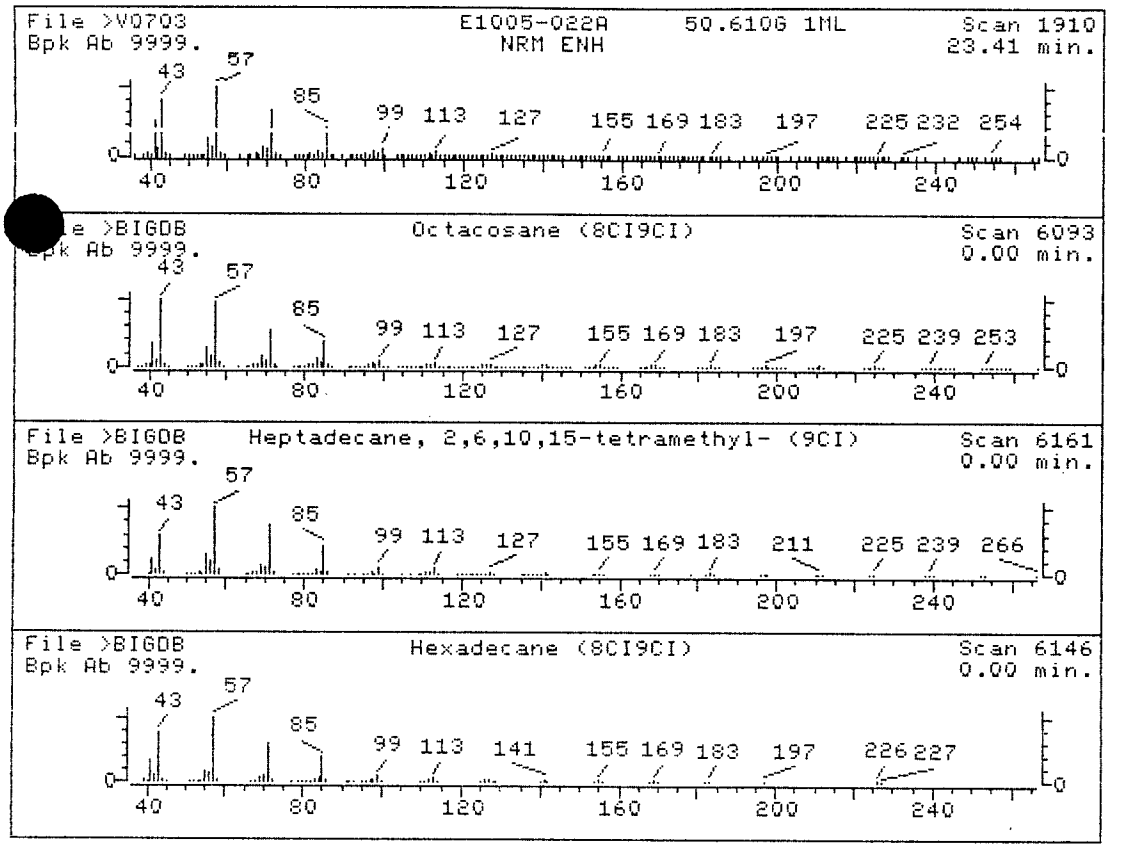


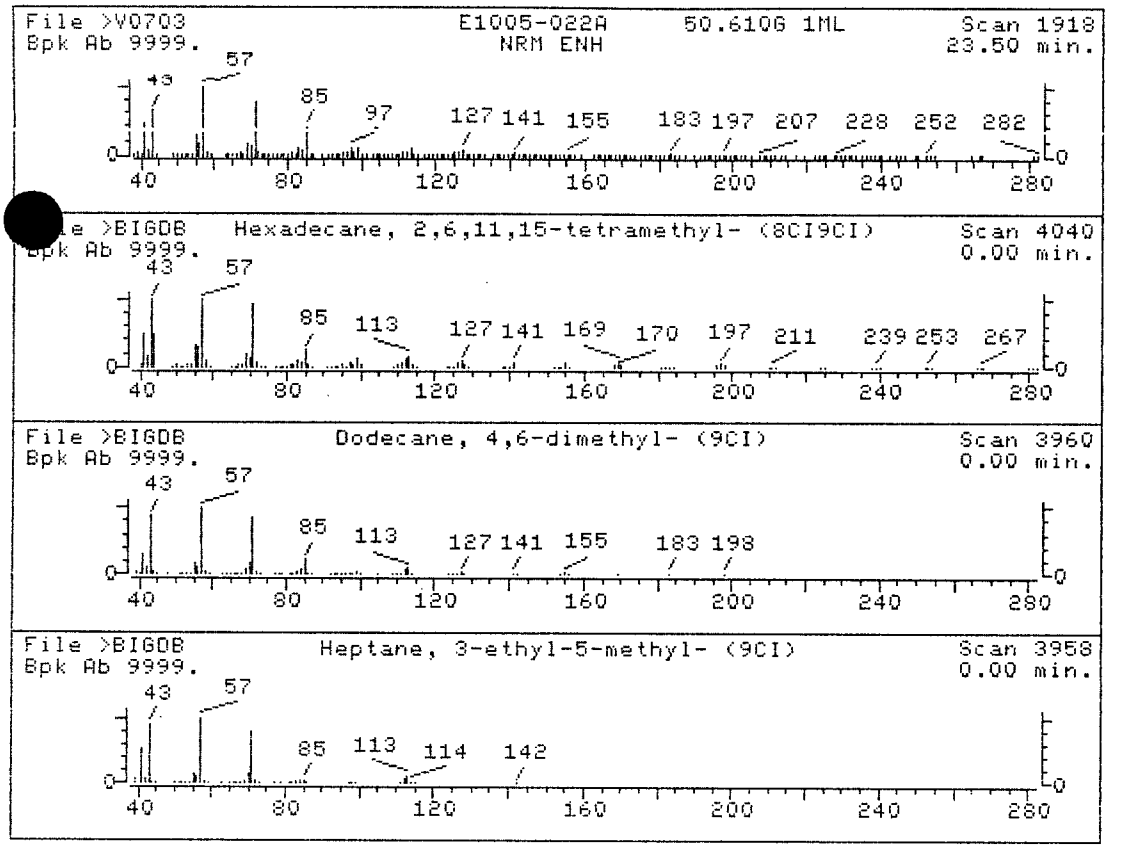
File >BIGDB Dodecane, 2-methyl-8-propyl- (9CI) Scan 22037
Bpk Ab 9999. 0.00 min.

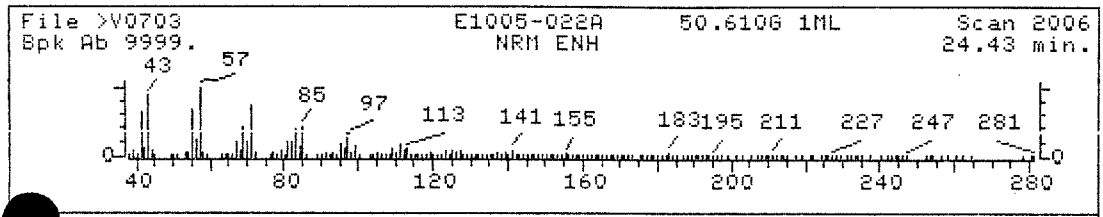


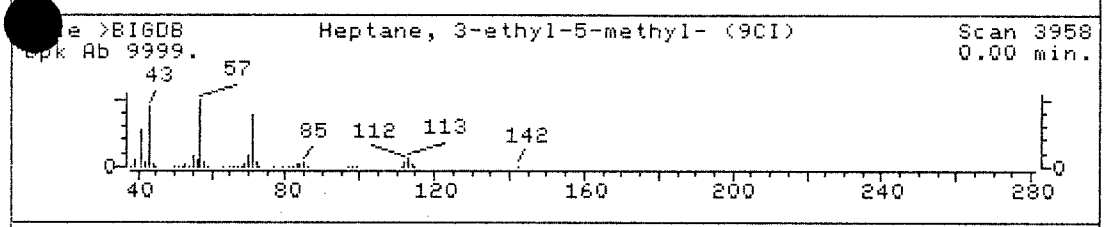
File >BIGDB Heptane, 3-ethyl-5-methyl- (9CI) Scan 3958
Bpk Ab 9999. 0.00 min.

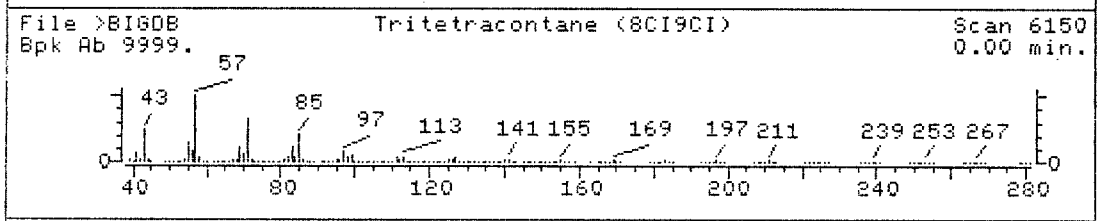


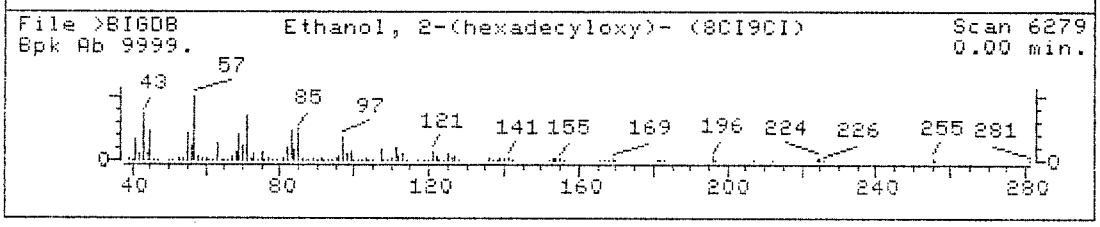

File >V0703
Bpk Ab 9999.
E1005-022A
NRM ENH
50.6106 1ML
Scan 1910
23.41 min.
43 57 85 99 113 127 155 169 183 197 225 232 254
40 80 120 160 200 240
File >BIGDB
Bpk Ab 9999.
Octacosane (8CI9CI)
Scan 6093
0.00 min.
43 57 85 99 113 127 155 169 183 197 225 239 253
40 80 120 160 200 240
File >BIGDB
Bpk Ab 9999.
Heptadecane, 2,6,10,15-tetramethyl- (9CI)
Scan 6161
0.00 min.
43 57 85 99 113 127 155 169 183 211 225 239 266
40 80 120 160 200 240
File >BIGDB
Bpk Ab 9999.
Hexadecane (8CI9CI)
Scan 6146
0.00 min.
43 57 85 99 113 141 155 169 183 197 226 227
40 80 120 160 200 240


File >V0703
Bpk Ab 9999.
E1005-022A
NRM ENH
50.6106 1ML
Scan 1918
23.50 min.
43 57 85 97 127 141 155 183 197 207 228 252 282
File >BIGDB
Hexadecane, 2,6,11,15-tetramethyl- (8CI9CI)
Scan 4040
0.00 min.
43 57 85 113 127 141 169 170 197 211 239 253 267
File >BIGDB
Dodecane, 4,6-dimethyl- (9CI)
Scan 3960
0.00 min.
43 57 85 113 127 141 155 183 198
File >BIGDB
Heptane, 3-ethyl-5-methyl- (9CI)
Scan 3958
0.00 min.
43 57 85 113 114 142
40 80 120 160 200 240 280

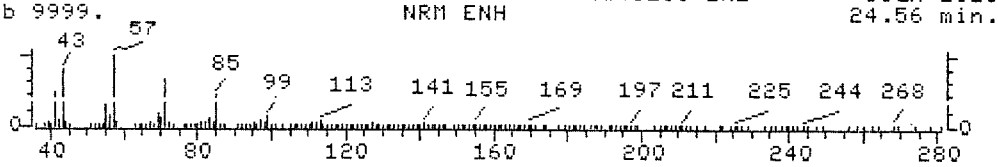

File >V0703
Bpk Ab 9999.
E1005-022A
NRM ENH
50.6106 1ML
Scan 2006
24.43 min.
43 57 85 97 113 141 155 183 195 211 227 247 281
40 80 120 160 200 240 280


File >BIGDB
Bpk Ab 9999.
Heptane, 3-ethyl-5-methyl- (9CI)
Scan 3958
0.00 min.
43 57 85 112 113 142
40 80 120 160 200 240 280

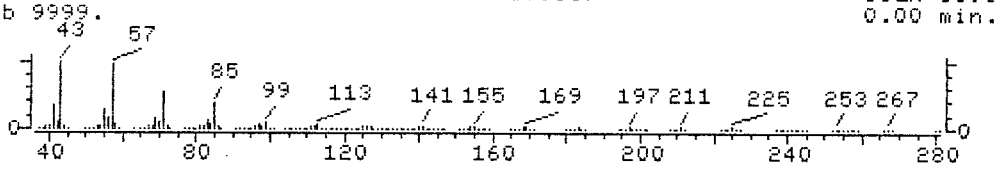

File >BIGDB
Bpk Ab 9999.
Tritetracontane (8CI9CI)
Scan 6150
0.00 min.
43 57 85 97 113 141 155 169 197 211 239 253 267
40 80 120 160 200 240 280


File >BIGDB
Bpk Ab 9999.
Ethanol, 2-(hexadecyloxy)- (8CI9CI)
Scan 6279
0.00 min.
43 57 85 97 121 141 155 169 196 224 226 255 281
40 80 120 160 200 240 280

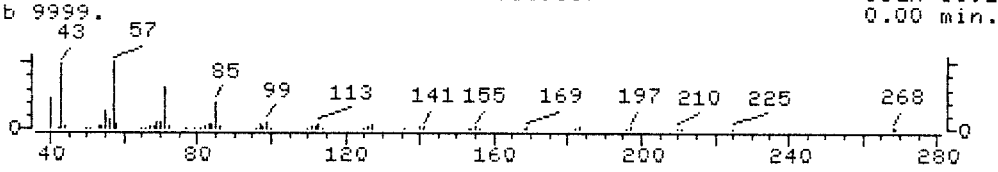
File >V0703 E1005-022A 50.610G 1ML Scan 2018
Bpk Ab 9999. NRM ENH 24.56 min.



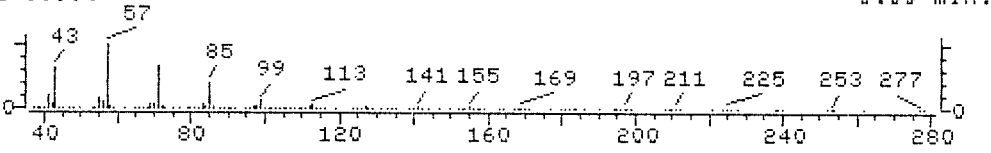
File >BIGDB Octacosane (8CI9CI) Scan 6093
Bpk Ab 9999. 0.00 min.

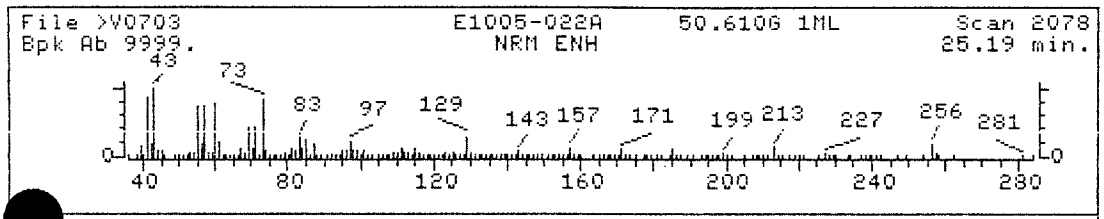


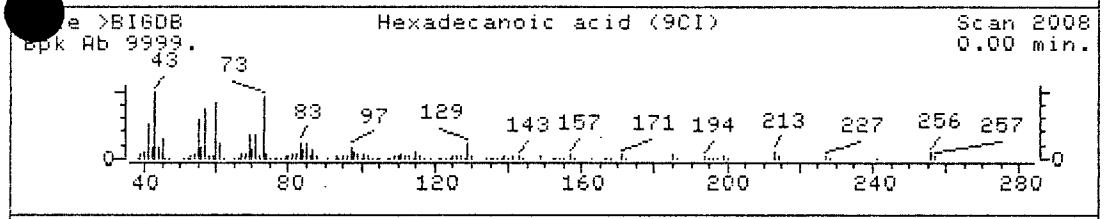
File >BIGDB Nonadecane (8CI9CI) Scan 6091
Bpk Ab 9999. 0.00 min.

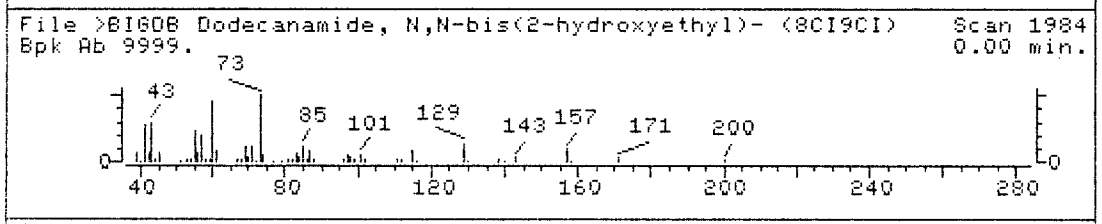


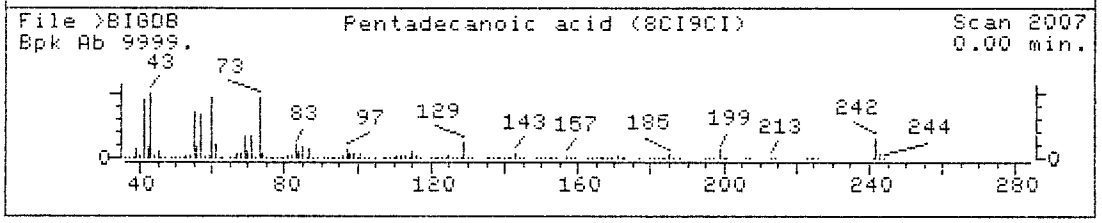
File >BIGDB Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene) Scan 6168
Bpk Ab 9999. 0.00 min.



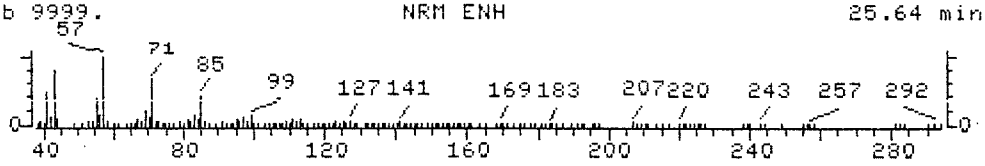

File >V0703
E1005-022A
50.610G 1ML
Scan 2078
Bpk Ab 9999.
NRM ENH
25.19 min.
43
73
83
97
129
143
157
171
199
213
227
256
281
0
40
80
120
160
200
240
280


e >BI6DB
Hexadecanoic acid (9CI)
Scan 2008
Bpk Ab 9999.
0.00 min.
43
73
83
97
129
143
157
171
194
213
227
256
257
0
40
80
120
160
200
240
280

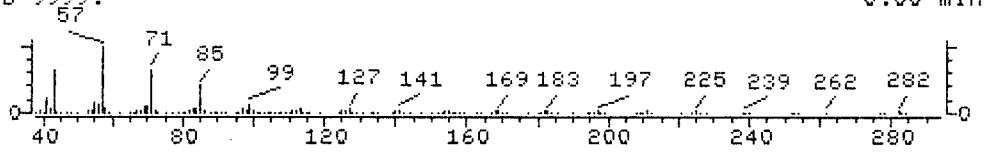

File >BI6DB Dodecanamide, N,N-bis(2-hydroxyethyl)- (8CI9CI)
Scan 1984
Bpk Ab 9999.
0.00 min.
43
73
85
101
129
143
157
171
200
0
40
80
120
160
200
240
280


File >BI6DB
Pentadecanoic acid (8CI9CI)
Scan 2007
Bpk Ab 9999.
0.00 min.
43
73
83
97
129
143
157
185
199
213
242
244
0
40
80
120
160
200
240
280

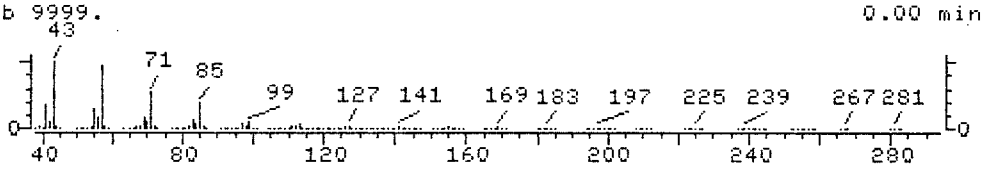
File >V0703 E1005-022A 50.6106 1ML Scan 2121
Bpk Ab 9999. NRM ENH 25.64 min.



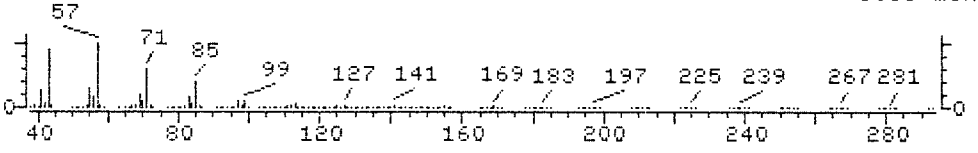
File >BIGDB Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene) Scan 6168
Bpk Ab 9999. 0.00 min.



File >BIGDB Octacosane (8CI9CI) Scan 6093
Bpk Ab 9999. 0.00 min.



File >BIGDB Pentatriacontane (8CI9CI) Scan 6147
Bpk Ab 9999. 0.00 min.



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-2B

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2B

Sample wt/vol: 50.0 (g/mL) g Lab File ID: >V0711

Level: (low/med) low Date Received: 10/05/94

% Moisture: 24 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	39	U
218-01-9	Chrysene	39	U
205-99-2	Benzo(b)fluoranthene	39	U
07-08-9	Benzo(k)fluoranthene	39	U
-32-8	Benzo(a)pyrene	39	U
193-39-5	Indeno(1,2,3-cd)pyrene	39	U
53-70-3	Dibenz(a,h)anthracene	39	U

0320

Operator ID: ANDY
Output File: ^V0711::A5
Data File: >V0711::A1
Name: E1005-02
Misc: 2B 50.007G 1ML

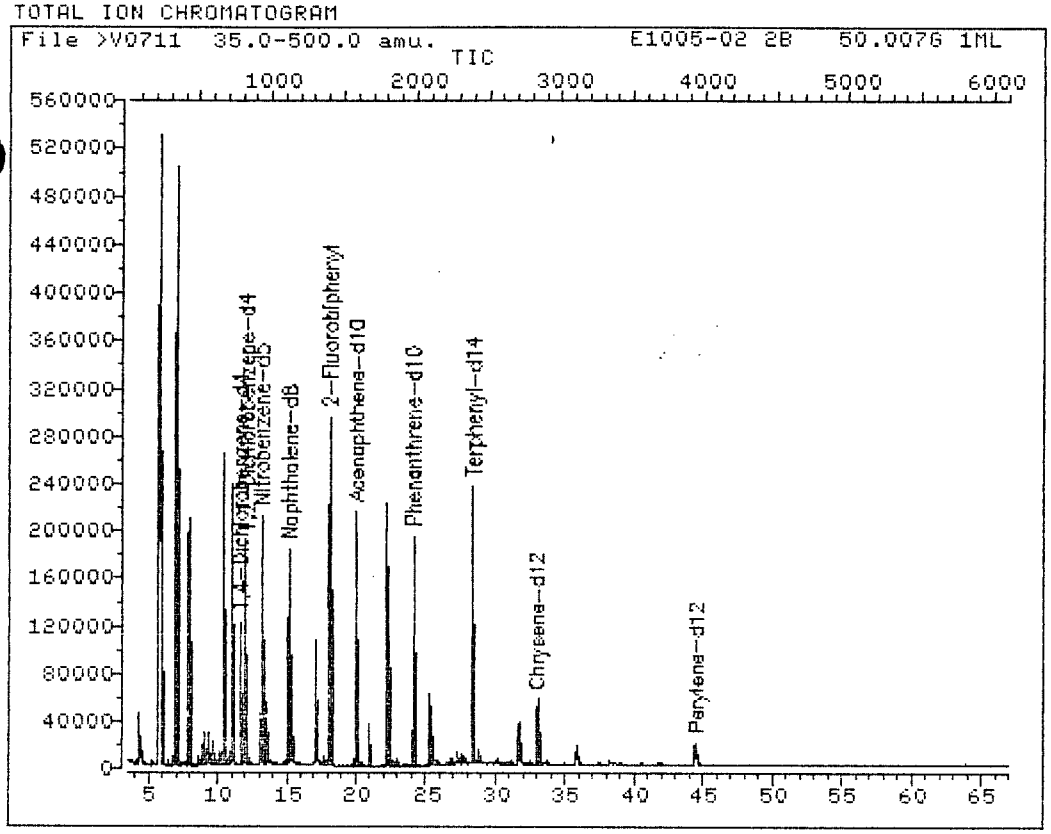
Quant Rev: 7
Quant Time: 941010 09:27
Injected at: 941007 23:10
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL#12

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941007 11:43

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.57	152.0	48453	20.00	UG/ML	57
5)	1,2-Dichlorobenzene-d4	12.02	152.0	75555	43.41	UG/ML	53
17)	*Naphthalene-d8	15.14	136.0	190067	20.00	UG/ML	97
18)	Nitrobenzene-d5	13.12	82.0	154691	46.41	UG/ML	57
31)	*Acenaphthene-d10	19.98	164.0	121272	20.00	UG/ML	95
36)	2-Fluorobiphenyl	18.05	172.0	238507	40.35	UG/ML	94
51)	*Phenanthrene-d10	24.05	188.0	198618	20.00	UG/ML	95
63)	*Chrysene-d12	32.92	240.0	99712	20.00	UG/ML	99
65)	Terphenyl-d14	28.34	244.0	276326	52.59	UG/ML	80
71)	*Perylene-d12	44.46	264.0	76355	20.00	UG/ML	94

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V0711 Quant Output File: ^V0711::A5
Name: E1005-02 Instrument ID: MACH-2
Misc: 2B 50.007G 1ML BTL#12

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941007 11:43

Operator ID: ANDY
Quant Time : 941010 09:27
Injected at: 941007 23:10

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-2C

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2C

Sample wt/vol: 50.4 (g/mL) g Lab File ID: >V0605

Level: (low/med) low Date Received: 10/05/94

% Moisture: 17 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	36	U
218-01-9	Chrysene	36	U
205-99-2	Benzo(b)fluoranthene	36	U
7-08-9	Benzo(k)fluoranthene	36	U
0-32-8	Benzo(a)pyrene	36	U
193-39-5	Indeno(1,2,3-cd)pyrene	36	U
53-70-3	Dibenz(a,h)anthracene	36	U

0323

Operator ID: ANDY
Output File: ^V0605::A5
Data File: >V0605::A0
Name: E1005-02
Misc: 2C 50.414G 1ML

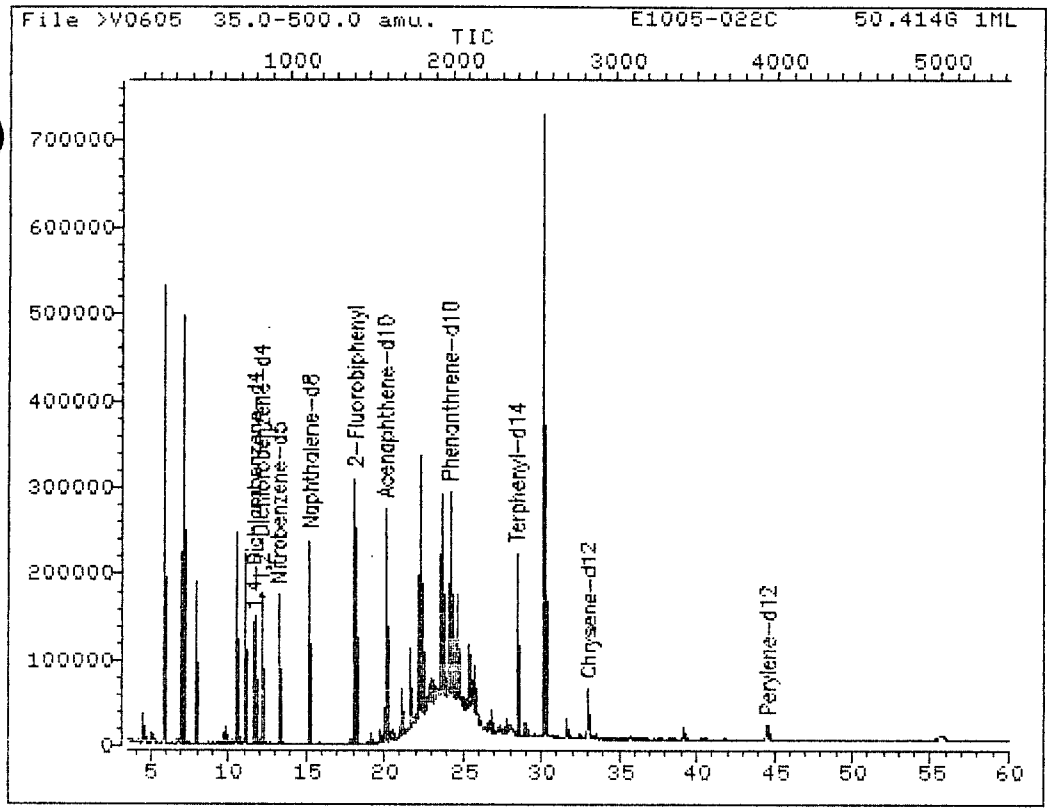
Quant Rev: 7
Quant Time: 941006 15:18
Injected at: 941006 14:08
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 6

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941006 09:37

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.59	152.0	68147	20.00	UG/ML	67
5)	1,2-Dichlorobenzene-d4	12.04	152.0	74973	27.64	UG/ML	57
17)	*Naphthalene-d8	15.16	136.0	250713	20.00	UG/ML	98
18)	Nitrobenzene-d5	13.14	82.0	127040	28.32	UG/ML	55
31)	*Acenaphthene-d10	20.00	164.0	153871	20.00	UG/ML	96
36)	2-Fluorobiphenyl	18.07	172.0	235068	28.32	UG/ML	95
51)	*Phenanthrene-d10	24.08	188.0	249165	20.00	UG/ML	91
63)	*Chrysene-d12	32.99	240.0	106278	20.00	UG/ML	98
65)	Terphenyl-d14	28.38	244.0	232211	36.06	UG/ML	81
71)	*Perylene-d12	44.56	264.0	69677	20.00	UG/ML	93

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V0605 Quant Output File: ^V0605::A5
Name: E1005-02 Instrument ID: MACH-2
Misc: 2C 50.414G 1ML BTL# 6

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941006 09:37

Operator ID: ANDY
Quant Time : 941006 15:18
Injected at: 941006 14:08

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-2D

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2D

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0704

Level: (low/med) low Date Received: 10/05/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	258	U
111-44-4	bis(2-Chloroethyl)ether	258	U
95-57-8	2-Chlorophenol	258	U
41-73-1	1,3-Dichlorobenzene	258	U
06-46-7	1,4-Dichlorobenzene	258	U
95-50-1	1,2-Dichlorobenzene	258	U
95-48-7	2-Methylphenol	258	U
108-60-1	2,2'-oxybis(1-Chloropropane)	258	U
106-44-5	4-Methylphenol	258	U
621-64-7	N-Nitroso-di-n-propylamine	258	U
67-72-1	Hexachloroethane	258	U
98-95-3	Nitrobenzene	258	U
78-59-1	Isophorone	258	U
88-75-5	2-Nitrophenol	258	U
105-67-9	2,4-Dimethylphenol	258	U
111-91-1	bis(2-Chloroethoxy)methane	258	U
120-83-2	2,4-Dichlorophenol	258	U
120-82-1	1,2,4-Trichlorobenzene	258	U
91-20-3	Naphthalene	258	U
106-47-8	4-Chloroaniline	258	U
87-68-3	Hexachlorobutadiene	258	U
59-50-7	4-Chloro-3-methylphenol	258	U
91-57-6	2-Methylnaphthalene	258	U
77-47-4	Hexachlorocyclopentadiene	258	U
88-06-2	2,4,6-Trichlorophenol	258	U
95-95-4	2,4,5-Trichlorophenol	645	U
91-58-7	2-Chloronaphthalene	258	U
88-74-4	2-Nitroaniline	645	U
131-11-3	Dimethylphthalate	258	U
208-96-8	Acenaphthylene	258	U
06-20-2	2,6-Dinitrotoluene	258	U
9-09-2	3-Nitroaniline	645	U
83-32-9	Acenaphthene	258	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-2D

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2D

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0704

Level: (low/med) low Date Received: 10/05/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.3

CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND	ug/Kg	Q
51-28-5	2,4-Dinitrophenol	645	U
100-02-7	4-Nitrophenol	645	U
132-64-9	Dibenzofuran	258	U
121-14-2	2,4-Dinitrotoluene	258	U
84-66-2	Diethylphthalate	258	U
7005-72-3	4-chlorophenyl-phenylether	258	U
86-73-7	Fluorene	258	U
100-01-6	4-Nitroaniline	645	U
534-52-1	4,6-Dinitro-2-methylphenol	645	U
86-30-6	N-Nitrosodiphenylamine (1)	258	U
101-55-3	4-Bromophenyl-phenylether	258	U
118-74-1	Hexachlorobenzene	258	U
87-86-5	Pentachlorophenol	645	U
85-01-8	Phenanthrene	258	U
120-12-7	Anthracene	258	U
86-74-8	Carbazole	258	U
84-74-2	Di-n-butylphthalate	414	B
206-44-0	Fluoranthene	258	U
129-00-0	Pyrene	258	U
85-68-7	Butylbenzylphthalate	258	U
91-94-1	3,3'-Dichlorobenzidine	258	U
56-55-3	Benzo(a)anthracene	39	U
218-01-9	Chrysene	39	U
117-81-7	bis(2-Ethylhexyl)phthalate	41	J
117-84-0	Di-n-octylphthalate	258	U
205-99-2	Benzo(b)fluoranthene	39	U
207-08-9	Benzo(k)fluoranthene	39	U
50-32-8	Benzo(a)pyrene	39	U
193-39-5	Indeno(1,2,3-cd)pyrene	39	U
53-70-3	Dibenz(a,h)anthracene	39	U
191-24-2	Benzo(g,h,i)perylene	258	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MS-2D

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2D

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0704

Level: (low/med) low Date Received: 10/05/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.3

Number TICs found: 14 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	4.31	411	J
2.		AROMATIC HYDROCARBON	4.87	53	J
3.		ALKYL SUBSTITUTED HYDROCARBON	5.69	6814	J
4.		ALKYL SUBSTITUTED HYDROCARBON	6.70	84	J
5.		UNKNOWN HYDROCARBON	7.01	3597	J
6.		UNKNOWN HYDROCARBON	8.88	86	J
7.		UNKNOWN HYDROCARBON	9.23	63	J
8.		UNKNOWN HYDROCARBON	9.40	58	J
9.		UNKNOWN HYDROCARBON	9.68	64	J
10.		UNKNOWN ALKYL ESTER	20.92	88	J
11.	57-10-3	HEXADECANOIC ACID	25.18	284	J
12.		ALKYL SUBSTITUTED HYDROCARBON	26.59	56	J
13.		UNKNOWN HYDROCARBON	28.78	41	J
14.	123-79-5	HEXANEDIOIC ACID, DIOCTYL ESTER	30.01	3297	J
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Operator ID: ANDY
Output File: ^V0704::A5
Data File: >V0704::A1
Name: E1005-02
Misc: 2D 50.270G 1ML

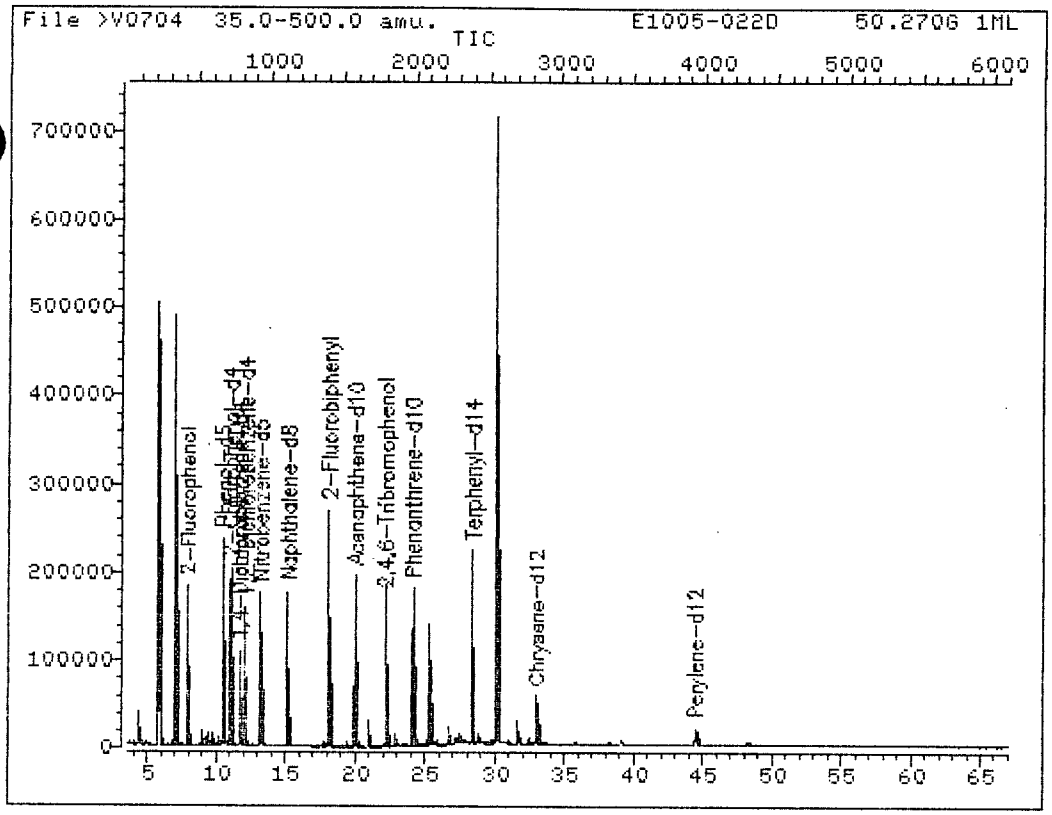
Quant Rev: 7
Quant Time: 941010 08:56
Injected at: 941007 14:39
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 5

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941007 11:43

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.57	152.0	46699	20.00	UG/ML	57
2)	2-Fluorophenol	7.85	112.0	113464	49.74	UG/ML	74
3)	Phenol-d5	10.41	99.0	160844	50.83	UG/ML	89
4)	2-Chlorophenol-d4	10.95	132.0	118565	49.60	UG/ML	84
5)	1,2-Dichlorobenzene-d4	12.02	152.0	65677	39.15	UG/ML	53
17)	*Naphthalene-d8	15.15	136.0	179907	20.00	UG/ML	95
18)	Nitrobenzene-d5	13.12	82.0	131432	41.66	UG/ML	58
31)	*Acenaphthene-d10	19.98	164.0	111188	20.00	UG/ML	97
36)	2-Fluorobiphenyl	18.06	172.0	211494	39.02	UG/ML	94
51)	*Phenanthrene-d10	24.05	188.0	186004	20.00	UG/ML	94
54)	2,4,6-Tribromophenol	22.11	330.0	73052	75.35	UG/ML	94
61)	Di-n-butylphthalate	25.35	149.0	162375	16.03	UG/ML	96
63)	*Chrysene-d12	32.93	240.0	98110	20.00	UG/ML	97
65)	Terphenyl-d14	28.34	244.0	252251	48.79	UG/ML	80
70)	bis(2-Ethylhexyl)phthalate	32.38	149.0	8017	1.58	UG/ML	98
71)	*Perylene-d12	44.43	264.0	75946	20.00	UG/ML	93

* Compound is ISTD

TOTAL ION CHROMATOGRAM

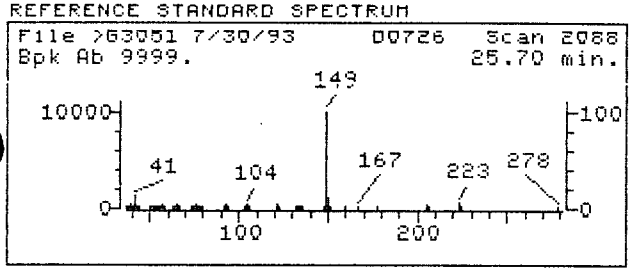


Data File: >V0704 Quant Output File: ^V0704::A5
Name: E1005-02 Instrument ID: MACH-2
Misc: 2D 50.270G 1ML BTL# 5

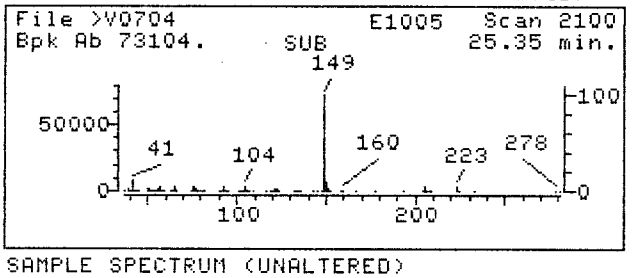
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941007 11:43

Operator ID: ANDY
Quant Time : 941010 08:56
Injected at: 941007 14:39

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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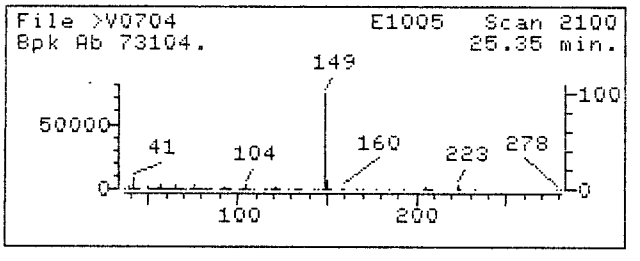
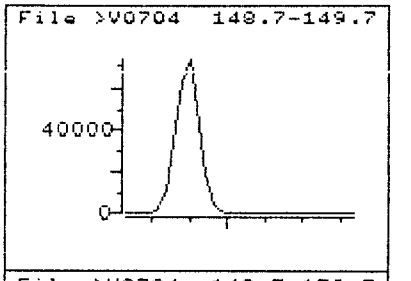
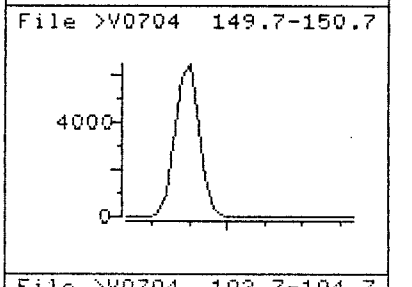
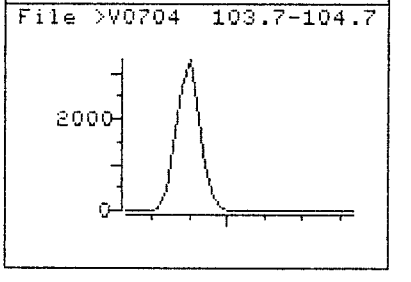






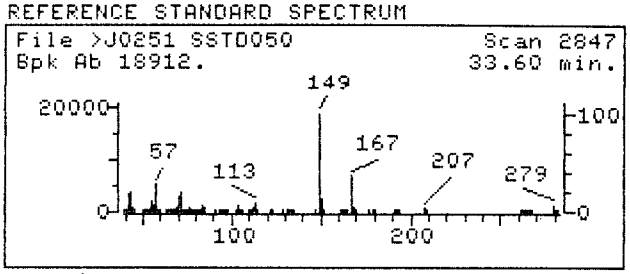


Data File: >V0704
Name: E1005-02
Misc: 2D 50.270G 1ML
Quant Time: 941010 08:56
Injected at: 941007 14:39
Last Qcal Time: 941007 11:43

Quant Output File: ^V0704::A5
Instrument ID: MACH-2
BTL# 5
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 61
Compound Name : Di-n-butylphthalate
Scan Number : 2100
Retention Time: 25.35 min.
Quant Ion : 149.0
Area : 162375
Concentration : 16.03 UG/ML
q-value : 96

REFERENCE STANDARD SPECTRUM



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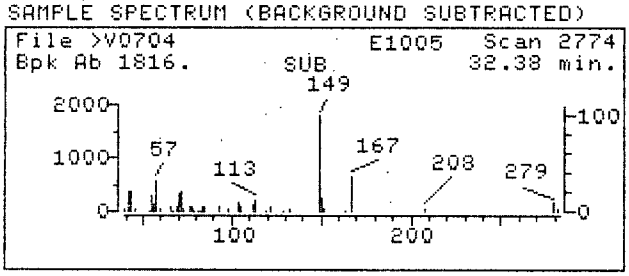

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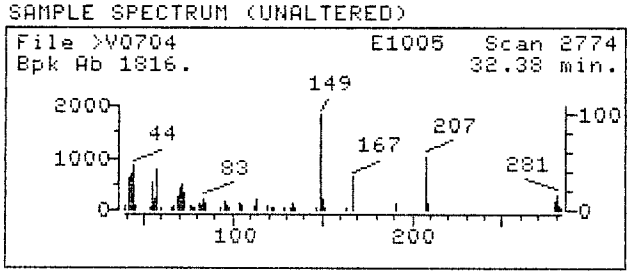
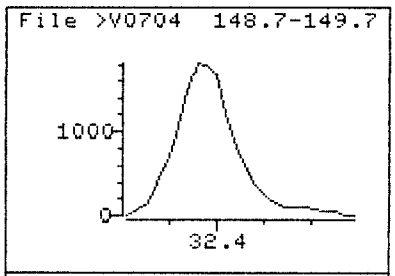
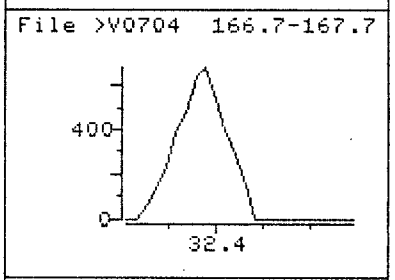
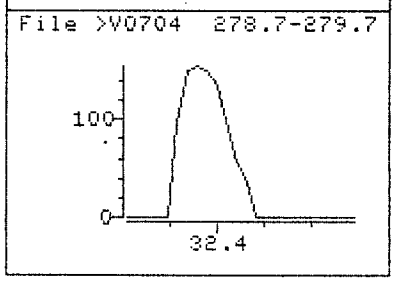




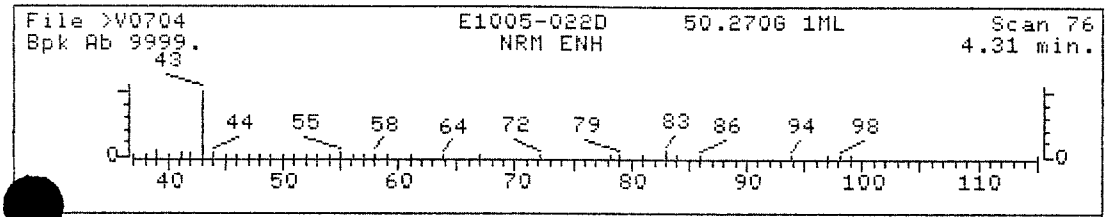




Data File: >V0704
Name: E1005-02
Misc: 2D 50.270G 1ML
Quant Time: 941010 08:56
Injected at: 941007 14:39
Last Qcal Time: 941007 11:43

Quant Output File: ^V0704::A5
Instrument ID: MACH-2
BTL# 5
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 70
Compound Name : bis(2-Ethylhexyl)phthalate
Scan Number : 2774
Retention Time: 32.38 min.
Quant Ion : 149.0
Area : 8017
Concentration : 1.58 UG/ML
q-value : 98


File >V0704
Bpk Ab 9999.
E1005-022D
NRM ENH
50.270G 1ML
Scan 76
4.31 min.
43
44
55
58
64
72
79
83
86
94
98
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40
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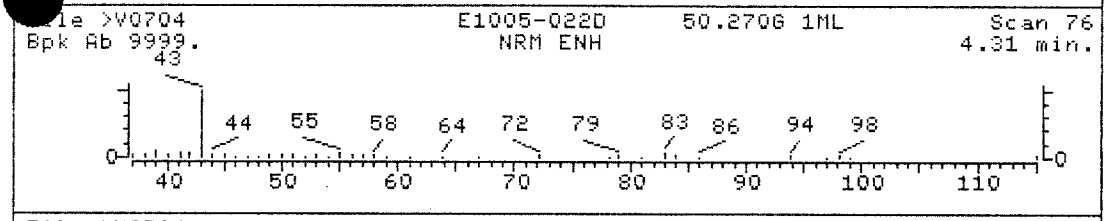
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Bpk Ab 9999.
E1005-022D
NRM ENH
50.270G 1ML
Scan 76
4.31 min.
43
44
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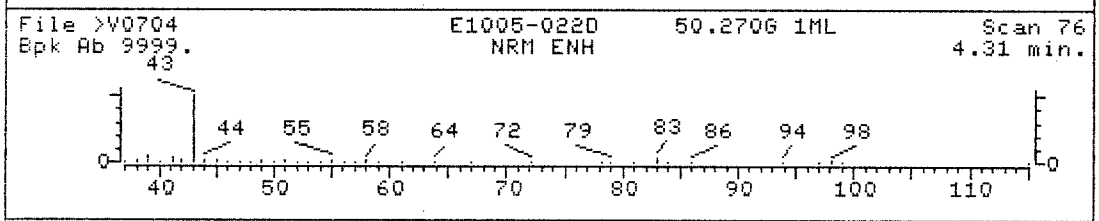
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E1005-022D
NRM ENH
50.270G 1ML
Scan 76
4.31 min.
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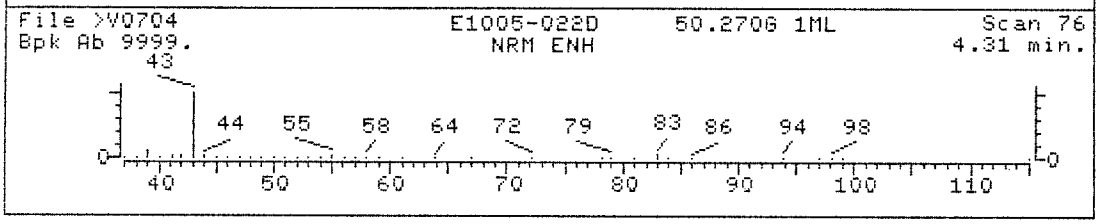
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E1005-022D
NRM ENH
50.270G 1ML
Scan 76
4.31 min.
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72
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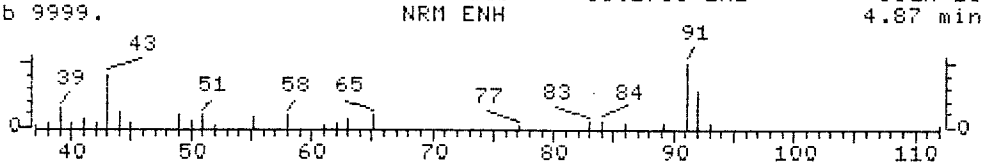
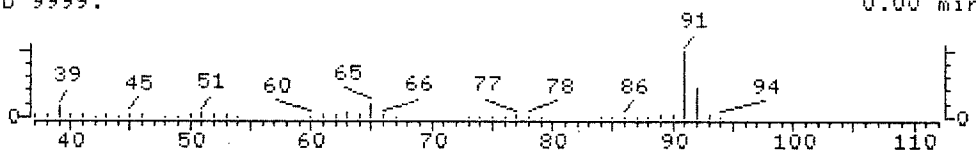
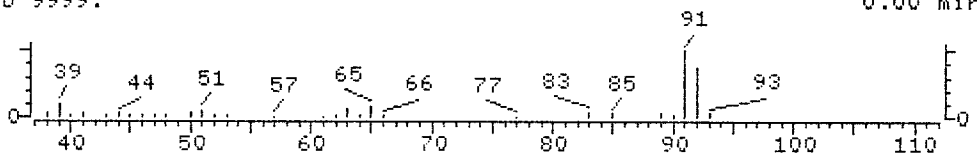
File >V0704 E1005-022D 50.270G 1ML Scan 130
Bpk Ab 9999. NRM ENH 4.87 min.



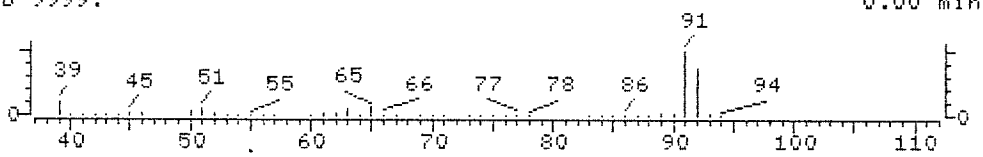
File >BIGDB 1,3,5-Cycloheptatriene (8CI9CI) Scan 7652
Bpk Ab 9999. 0.00 min.



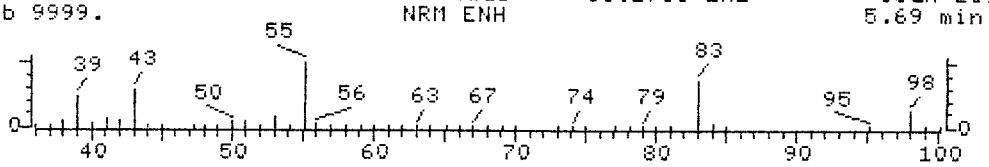
File PRIPOL Benzene, methyl- Scan 37
Bpk Ab 9999. 0.00 min.



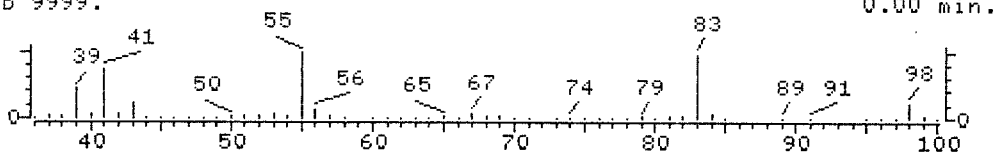
File PRIPOL Benzene, methyl- Scan 33
Bpk Ab 9999. 0.00 min.



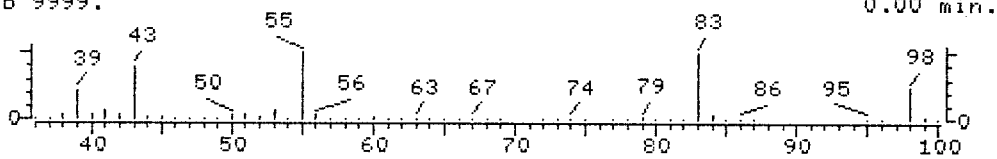
File >V0704 E1005-022D 50.2706 1ML Scan 209
Bpk Ab 9999. NRM ENH 5.69 min.



File >BIGDB Cyclopropane, 1,1,2,2-tetramethyl- (8CI9CI) Scan 5593
Bpk Ab 9999. 0.00 min.



File >BIGDB 3-Penten-2-one, 4-methyl- (8CI9CI) Scan 8486
Bpk Ab 9999. 0.00 min.



File >BIGDB 3-Hexen-2-one (8CI9CI) Scan 5591
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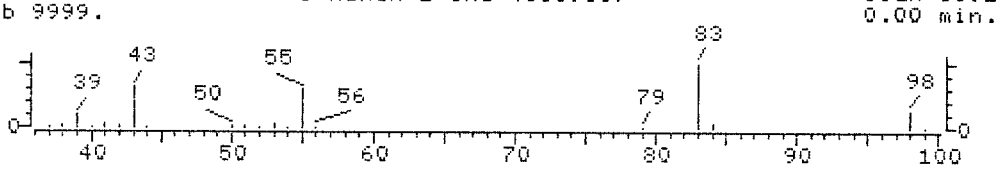
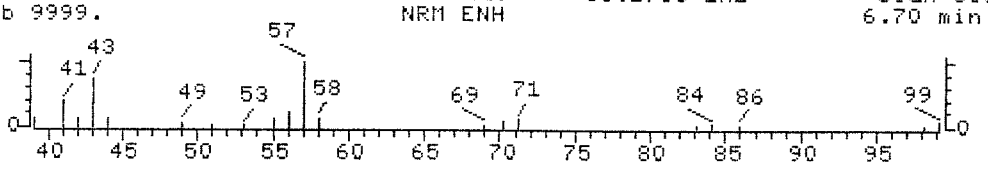


File >V0704 E1005-022D 50.270G 1ML Scan 306
Bpk Ab 9999. NRM ENH 6.70 min.



File >BIGDB Octane, 3-methyl- (8CI9CI) Scan 8731
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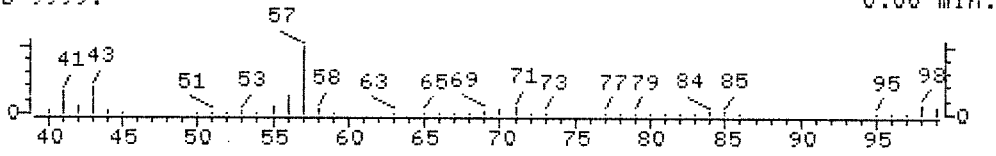

File >BIGDB Heptane, 3,5-dimethyl- (8CI9CI) Scan 8724
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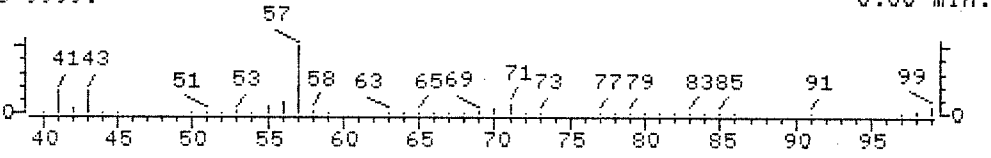

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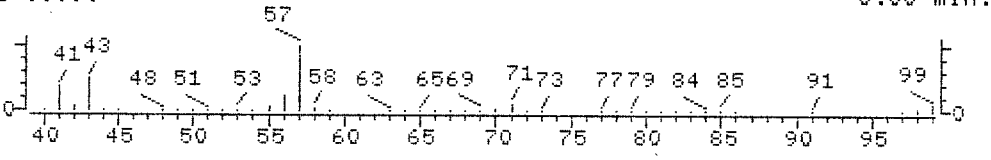

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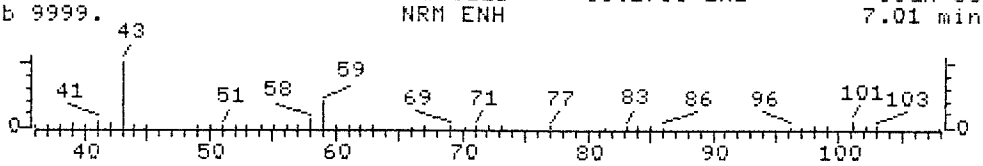

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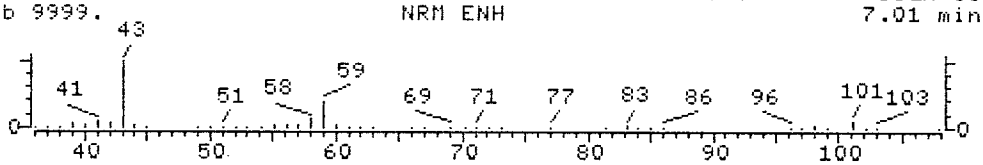

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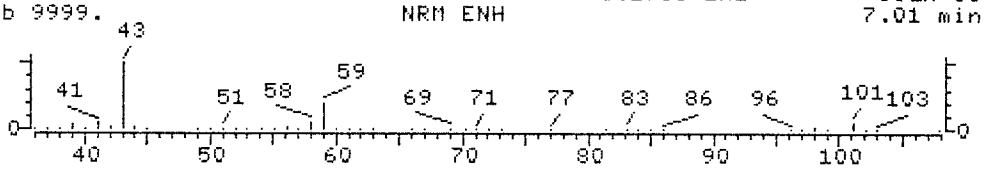

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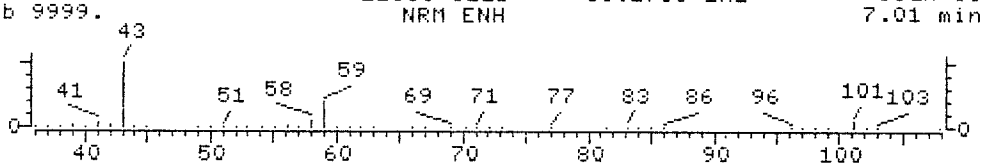

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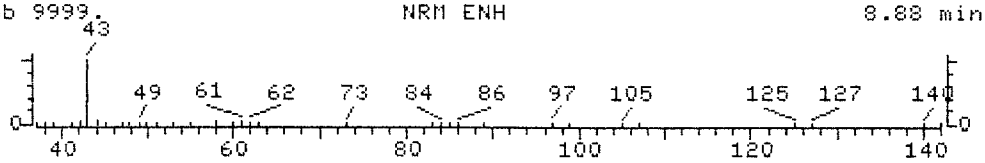

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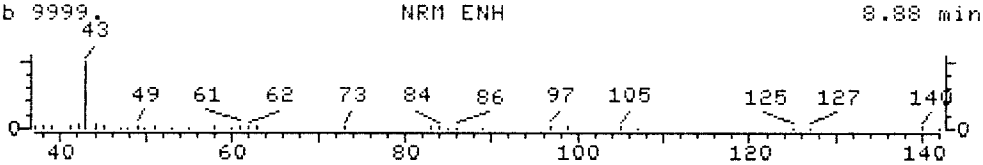

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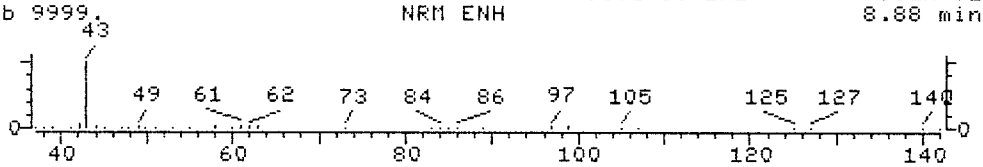

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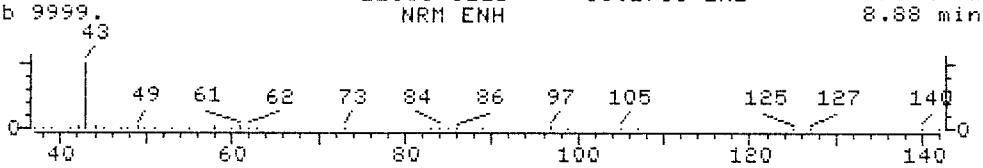

File >V0704 E1005-022D 50.270G 1ML Scan 550
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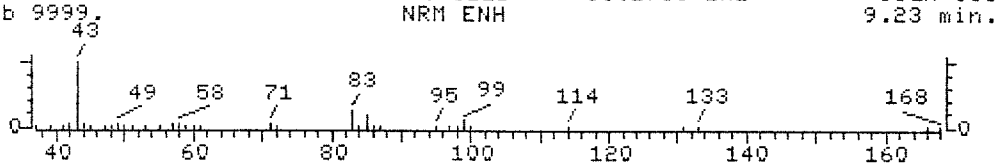
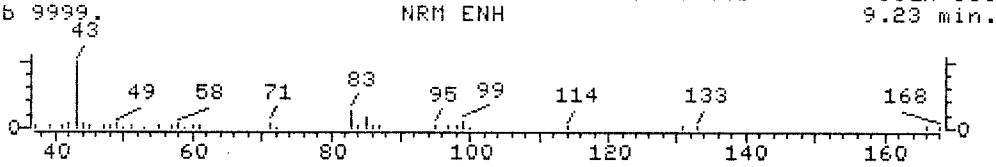


File >V0704 E1005-022D 50.270G 1ML Scan 550
Bpk Ab 9999. NRM ENH 9.23 min.



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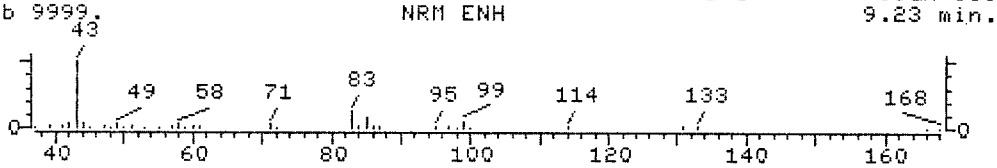

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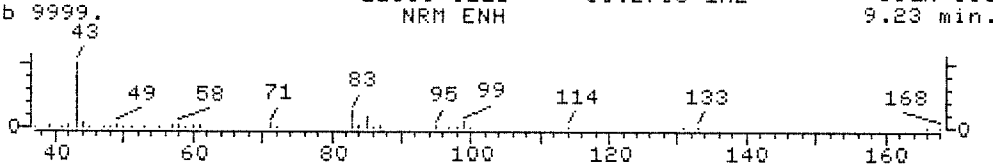
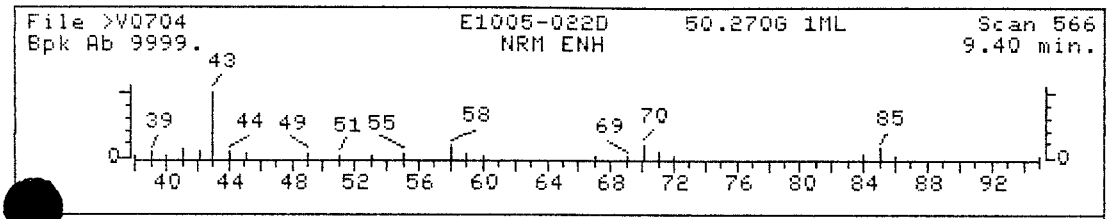
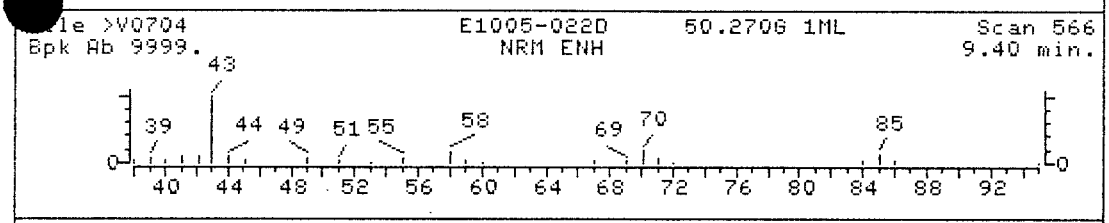
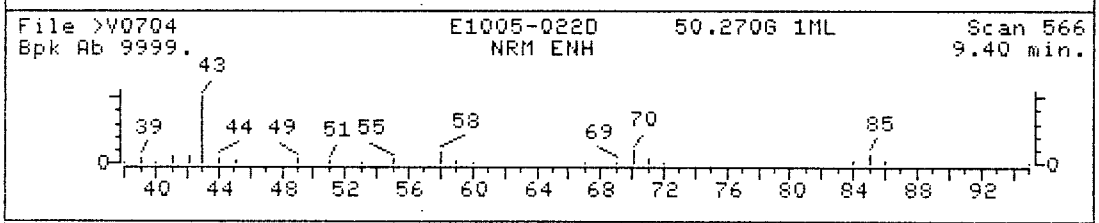
Bpk Ab 9999. NRM ENH 9.23 min.




File >V0704
Bpk Ab 9999.
E1005-022D
NRM ENH
50.270G 1ML
Scan 566
9.40 min.
43
39
44
49
51
55
58
69
70
85
0
40 44 48 52 56 60 64 68 72 76 80 84 88 92


File >V0704
Bpk Ab 9999.
E1005-022D
NRM ENH
50.270G 1ML
Scan 566
9.40 min.
43
39
44
49
51
55
58
69
70
85
0
40 44 48 52 56 60 64 68 72 76 80 84 88 92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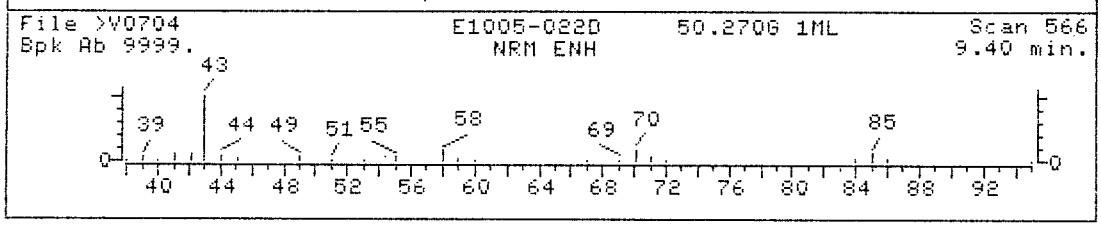
Bpk Ab 9999.
E1005-022D
NRM ENH
50.270G 1ML
Scan 566
9.40 min.
43
39
44
49
51
55
58
69
70
85
0
40 44 48 52 56 60 64 68 72 76 80 84 88 92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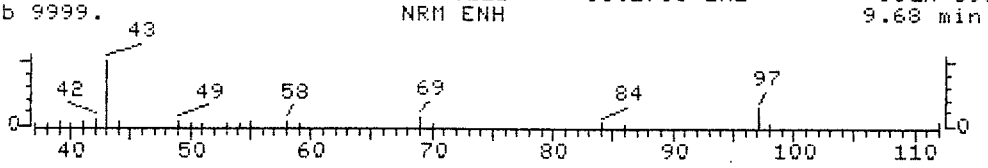
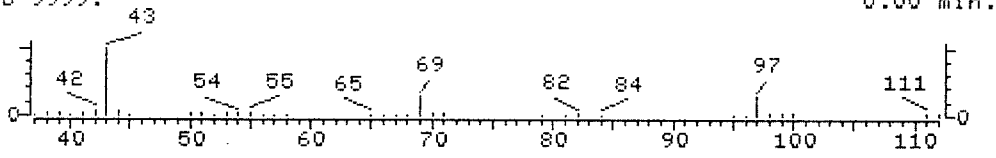
Bpk Ab 9999.
E1005-022D
NRM ENH
50.270G 1ML
Scan 566
9.40 min.
43
39
44
49
51
55
58
69
70
85
0
40 44 48 52 56 60 64 68 72 76 80 84 88 92

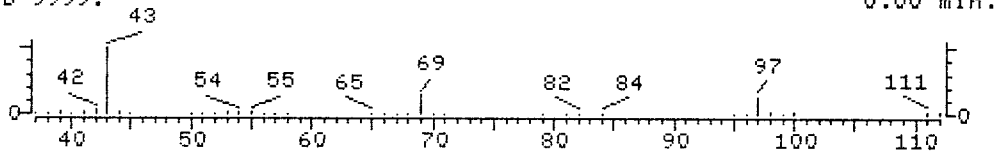
File >V0704 E1005-022D 50.270G 1ML Scan 593
Bpk Ab 9999. NRM ENH 9.68 min.



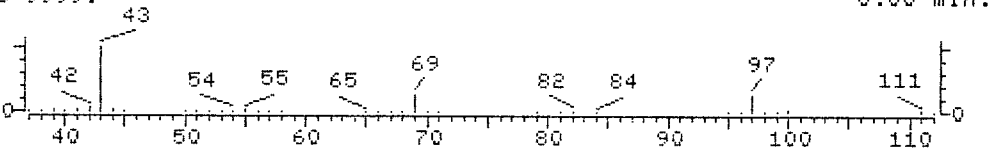
File >BIGDB 3-Hexene-2,5-dione (8CI9CI) Scan 8247
Bpk Ab 9999. 0.00 min.



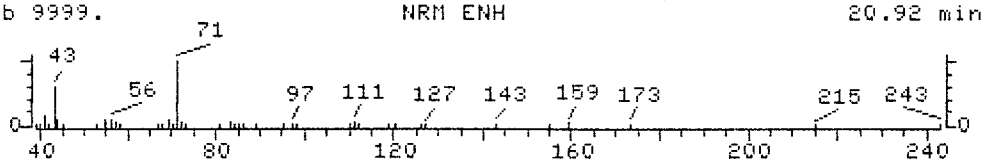
File >BIGDB 3-Hexene-2,5-dione (8CI9CI) Scan 8247
Bpk Ab 9999. 0.00 min.



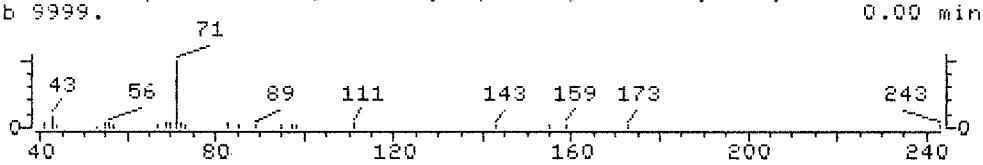
File >BIGDB 3-Hexene-2,5-dione (8CI9CI) Scan 8247
Bpk Ab 9999. 0.00 min.



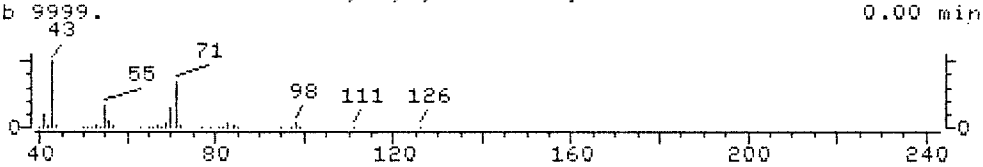
File >V0704 E1005-022D 50.270G 1ML Scan 1674
Bpk Ab 9999. NRM ENH 20.92 min.



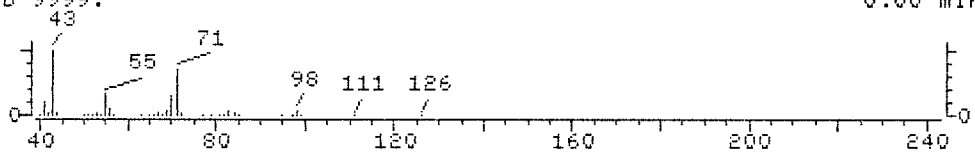
File >BIGDB Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)- Scan 3943
Bpk Ab 9999. 0.00 min.



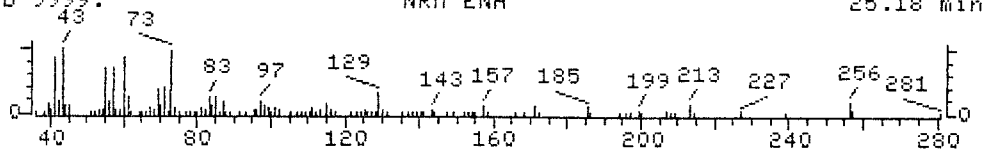
File >BIGDB 1-Hexene, 3,4,5-trimethyl- (9CI) Scan 3922
Bpk Ab 9999. 0.00 min.



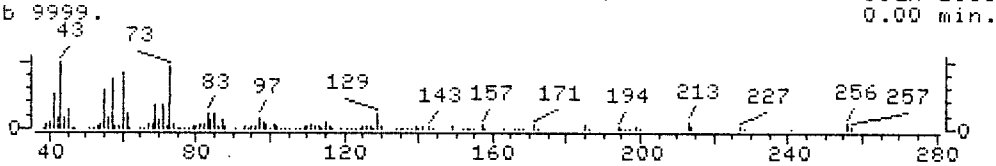
File >BIGDB 1-Hexene, 3,4,5-trimethyl- (9CI) Scan 3922
Bpk Ab 9999. 0.00 min.



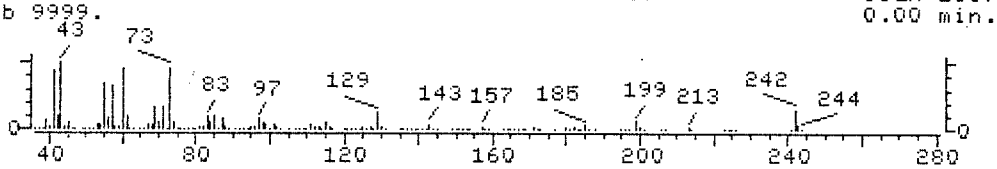
File >V0704 E1005-022D 50.270G 1ML Scan 2084
Bpk Ab 9999. NRM ENH 25.18 min.



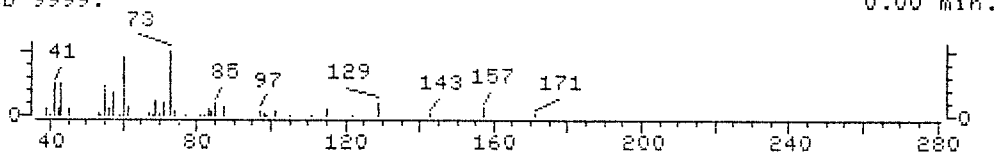
File >BIGDB Hexadecanoic acid (9CI) Scan 2008
Bpk Ab 9999. 0.00 min.

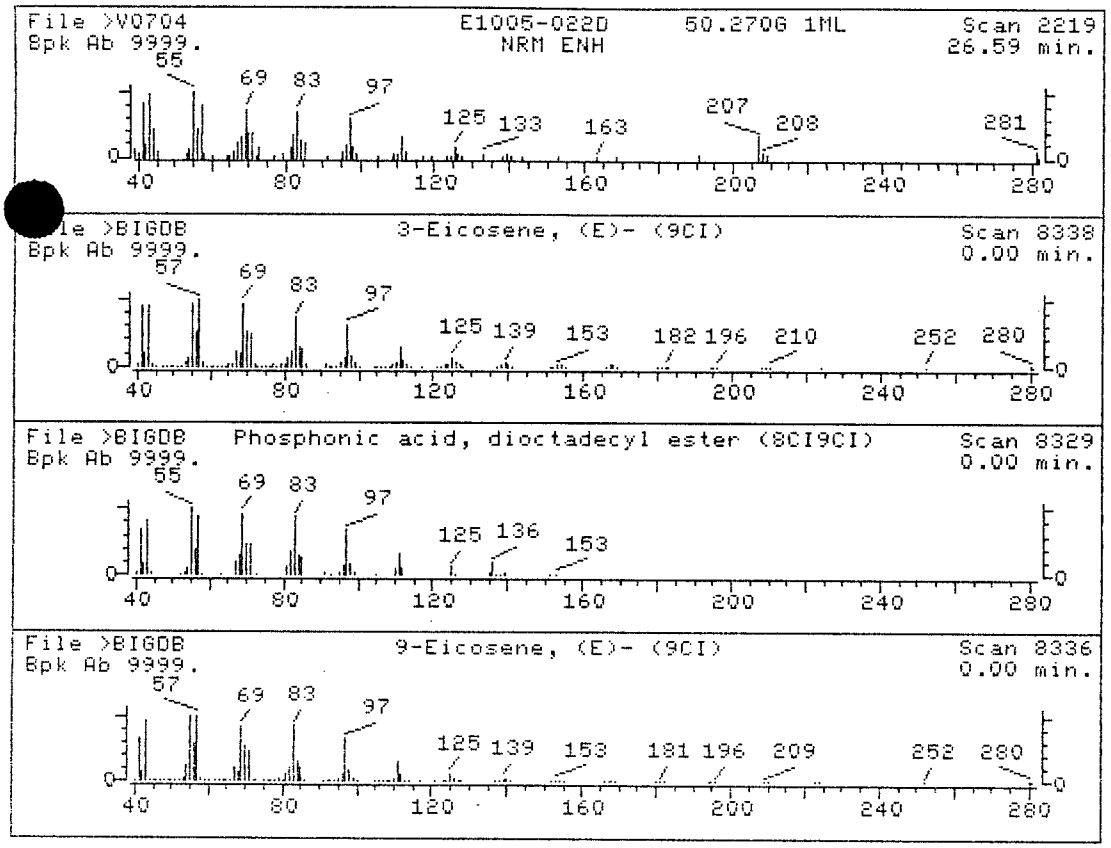


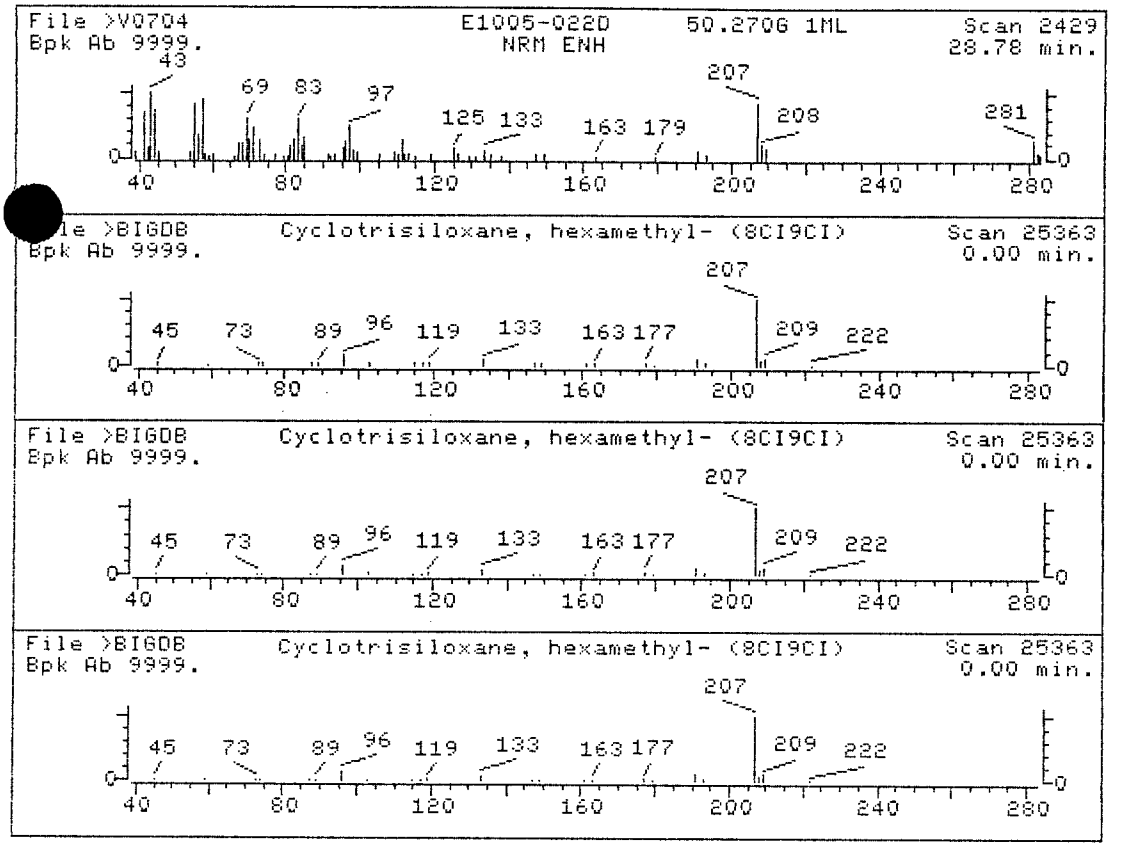
File >BIGDB Pentadecanoic acid (8CI9CI) Scan 2007
Bpk Ab 9999. 0.00 min.



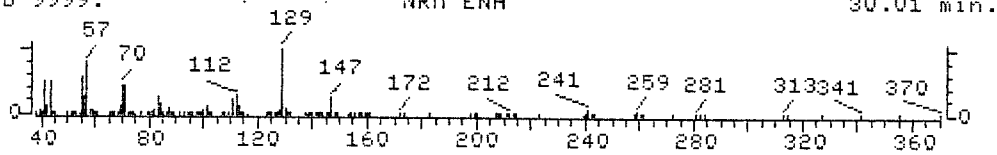
File >BIGDB Glycine, N-methyl-N-(1-oxododecyl)- (9CI) Scan 1972
Bpk Ab 9999. 0.00 min.



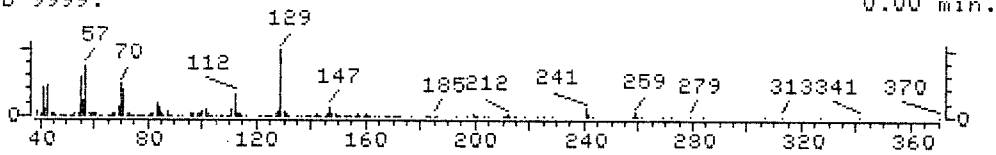

File >V0704
Bpk Ab 9999.
E1005-022D 50.270G 1ML
NRM ENH
Scan 2219
26.59 min.
55 69 83 97 125 133 163 207 208 281
File >BIGDB
Bpk Ab 9999.
3-Eicosene, (E)- (9CI)
Scan 8338
0.00 min.
57 69 83 97 125 139 153 182 196 210 252 280
File >BIGDB
Bpk Ab 9999.
Phosphonic acid, dioctadecyl ester (8CI9CI)
Scan 8329
0.00 min.
55 69 83 97 125 136 153
File >BIGDB
Bpk Ab 9999.
9-Eicosene, (E)- (9CI)
Scan 8336
0.00 min.
57 69 83 97 125 139 153 181 196 209 252 280
40 80 120 160 200 240 280


File >V0704
Bpk Ab 9999.
E1005-022D
NRM ENH
50.270G 1ML
Scan 2429
28.78 min.
43
69
83
97
125
133
163
179
207
208
281
File >BIGDB
Bpk Ab 9999.
Cyclotrisiloxane, hexamethyl- (8CI9CI)
Scan 25363
0.00 min.
45
73
89
96
119
133
163
177
207
209
222
File >BIGDB
Bpk Ab 9999.
Cyclotrisiloxane, hexamethyl- (8CI9CI)
Scan 25363
0.00 min.
45
73
89
96
119
133
163
177
207
209
222
File >BIGDB
Bpk Ab 9999.
Cyclotrisiloxane, hexamethyl- (8CI9CI)
Scan 25363
0.00 min.
45
73
89
96
119
133
163
177
207
209
222
40
80
120
160
200
240
280

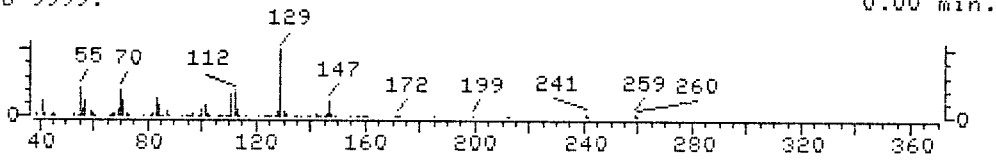
File >V0704 E1005-022D 50.270G 1ML Scan 2547
Bpk Ab 9999. NRM ENH 30.01 min.



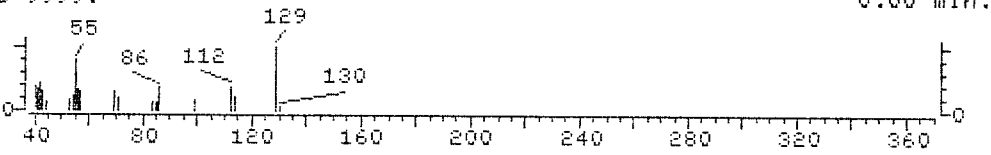
File >BIGDB Hexanedioic acid, dioctyl ester (9CI) Scan 13849
Bpk Ab 9999. 0.00 min.



File >BIGDB Hexanedioic acid, mono(2-ethylhexyl)ester (9CI) Scan 13850
Bpk Ab 9999. 0.00 min.



File >BIGDB 2,6-Piperazinedione, monooxime (9CI) Scan 13784
Bpk Ab 9999. 0.00 min.



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-2E

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2E

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0609

Level: (low/med) low Date Received: 10/05/94

% Moisture: 21 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	49	
218-01-9	Chrysene	77	
205-99-2	Benzo(b)fluoranthene	95	
207-08-9	Benzo(k)fluoranthene	29	J
50-32-8	Benzo(a)pyrene	33	J
193-39-5	Indeno(1,2,3-cd)pyrene	38	U
53-70-3	Dibenz(a,h)anthracene	38	U

0347

Operator ID: ANDY
Output File: ^V0609::A5
Data File: >V0609::A0
Name: E1005-02
Misc: 2E 50.322G 1ML

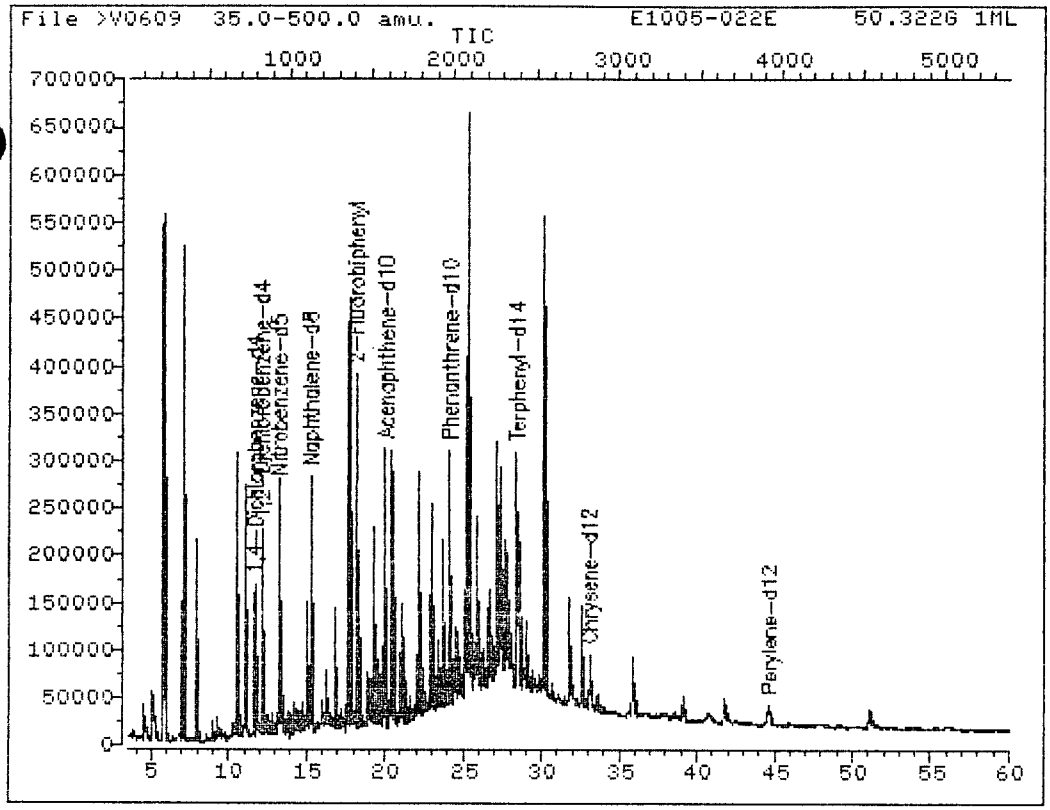
Quant Rev: 7
Quant Time: 941006 19:59
Injected at: 941006 18:31
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL#10

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941006 09:37

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.61	152.0	75766	20.00	UG/ML	63
5)	1,2-Dichlorobenzene-d4	12.05	152.0	99029	32.84	UG/ML	57
17)	*Naphthalene-d8	15.17	136.0	269133	20.00	UG/ML	98
18)	Nitrobenzene-d5	13.15	82.0	174139	36.16	UG/ML	53
31)	*Acenaphthene-d10	20.01	164.0	172736	20.00	UG/ML	96
36)	2-Fluorobiphenyl	18.09	172.0	311450	33.43	UG/ML	93
51)	*Phenanthrene-d10	24.09	188.0	264383	20.00	UG/ML	91
63)	*Chrysene-d12	33.02	240.0	97891	20.00	UG/ML	99
65)	Terphenyl-d14	28.40	244.0	287790	48.52	UG/ML	80
68)	Benzo(a)anthracene	32.96	228.0	10020	1.96	UG/ML	92
69)	Chrysene	33.17	228.0	13304M	3.05	UG/ML	98
71)	*Perylene-d12	44.64	264.0	65191	20.00	UG/ML	93
73)	Benzo(b)fluoranthene	40.75	252.0	13093M	3.77	UG/ML	74
74)	Benzo(k)fluoranthene	40.96	252.0	3778M	1.15	UG/ML	61
75)	Benzo(a)pyrene	44.05	252.0	3860	1.30	UG/ML	55

* Compound is ISTD

TOTAL ION CHROMATOGRAM

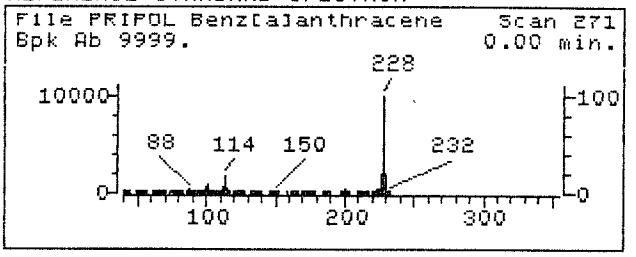


Data File: >V0609 Quant Output File: ^V0609::A5
Name: E1005-02 Instrument ID: MACH-2
Misc: 2E 50.322G 1ML BTL#10

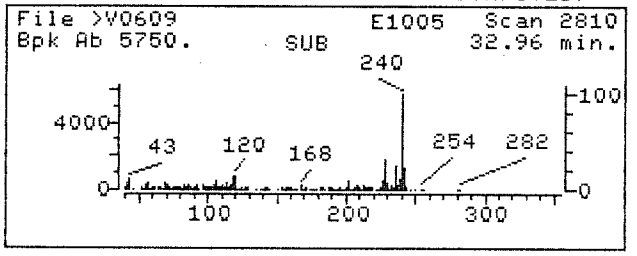
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941006 09:37

Operator ID: ANDY
Quant Time : 941006 19:59
Injected at: 941006 18:31

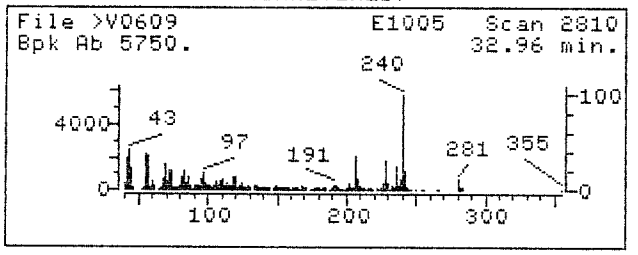
REFERENCE STANDARD SPECTRUM

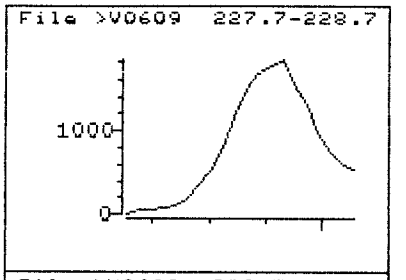


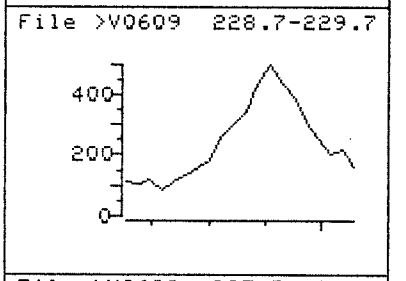
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

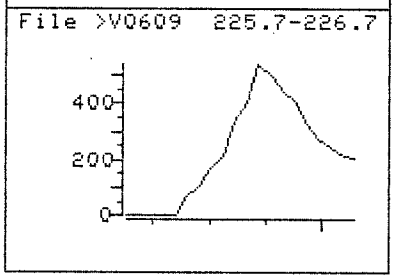


SAMPLE SPECTRUM (UNALTERED)







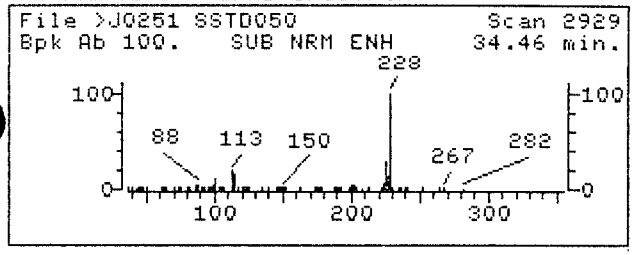


Data File: >V0609
Name: E1005-02
Misc: 2E 50.322G 1ML
Quant Time: 941006 19:59
Injected at: 941006 18:31
Last Qcal Time: 941006 09:37

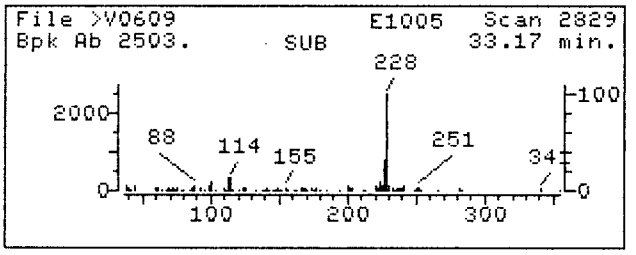
Quant Output File: ^V0609::A5
Instrument ID: MACH-2
BTL#10
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 68
Compound Name : Benzo(a)anthracene
Scan Number : 2810
Retention Time: 32.96 min.
Quant Ion : 228.0
Area : 10020
Concentration : 1.96 UG/ML
q-value : 92

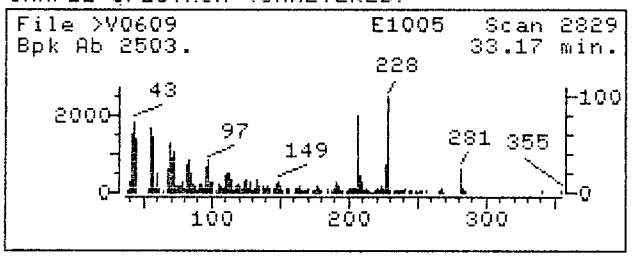
REFERENCE STANDARD SPECTRUM

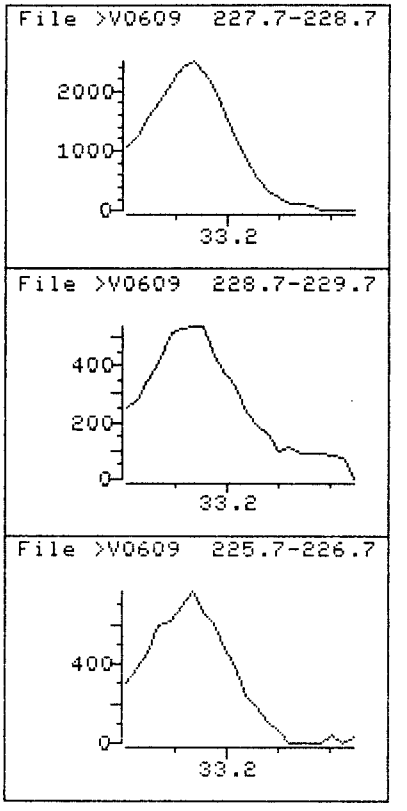


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



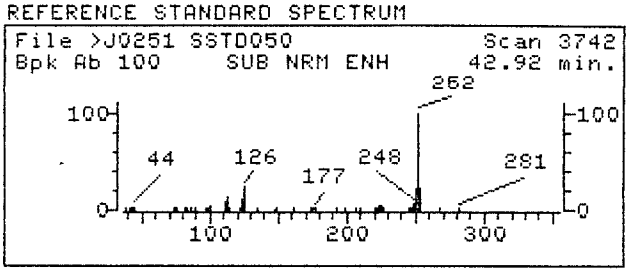


Data File: >V0609
Name: E1005-02
Misc: 2E 50.322G 1ML
Quant Time: 941006 19:59
Injected at: 941006 18:31
Last Qcal Time: 941006 09:37

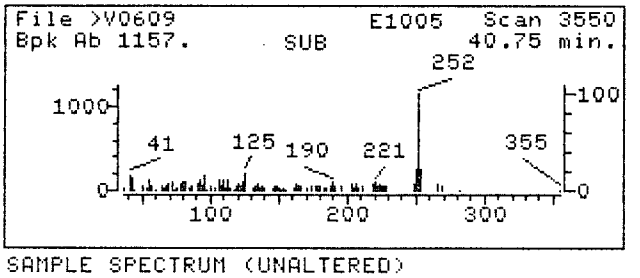
Quant Output File: ^V0609::A5
Instrument ID: MACH-2
BTL#10
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 69
Compound Name : Chrysene
Scan Number : 2829
Retention Time: 33.17 min.
Quant Ion : 228.0
Area : 13304M
Concentration : 3.05 UG/ML
q-value : 98

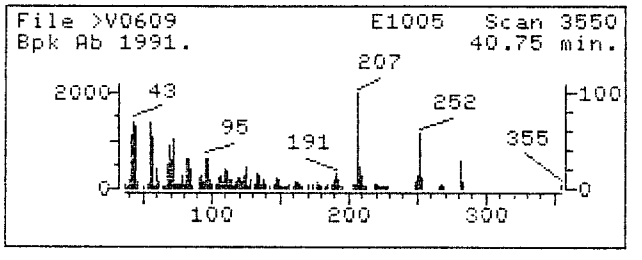
REFERENCE STANDARD SPECTRUM

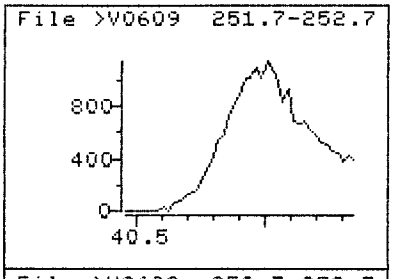


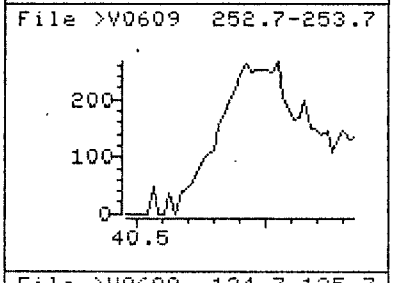
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

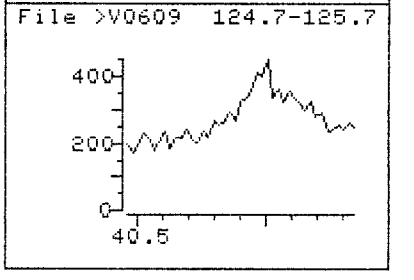


SAMPLE SPECTRUM (UNALTERED)







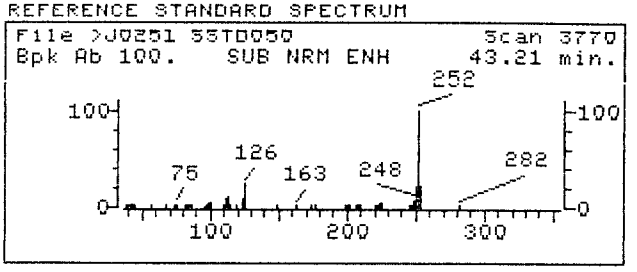


Data File: >V0609
Name: E1005-02
Misc: 2E 50.322G 1ML
Quant Time: 941006 19:59
Injected at: 941006 18:31
Last Qcal Time: 941006 09:37

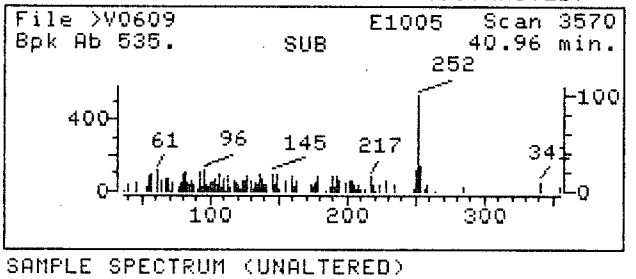
Quant Output File: ^V0609::A5
Instrument ID: MACH-2
BTL#10
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3550
Retention Time: 40.75 min.
Quant Ion : 252.0
Area : 13093M
Concentration : 3.77 UG/ML
q-value : 74

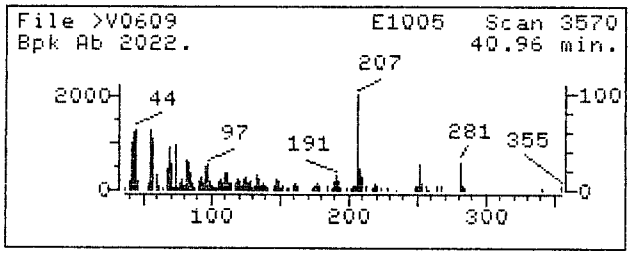
REFERENCE STANDARD SPECTRUM

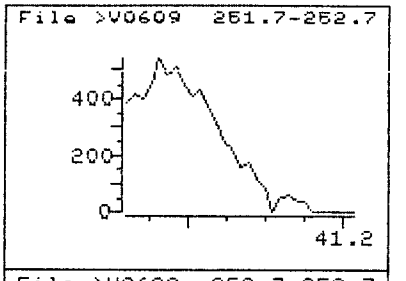


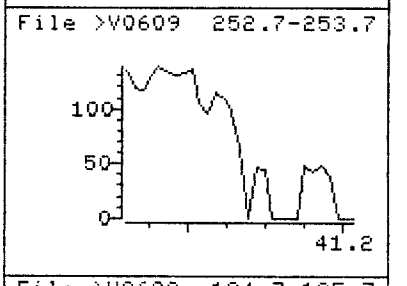
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

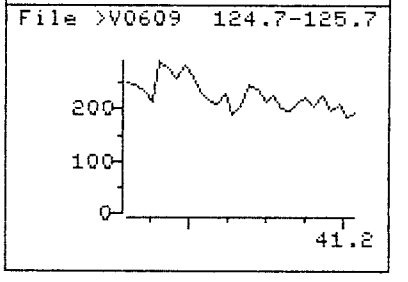


SAMPLE SPECTRUM (UNALTERED)







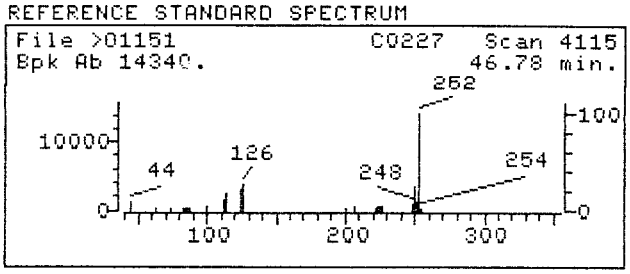


Data File: >V0609
Name: E1005-02
Misc: 2E 50.322G 1ML
Quant Time: 941006 19:59
Injected at: 941006 18:31
Last Qcal Time: 941006 09:37

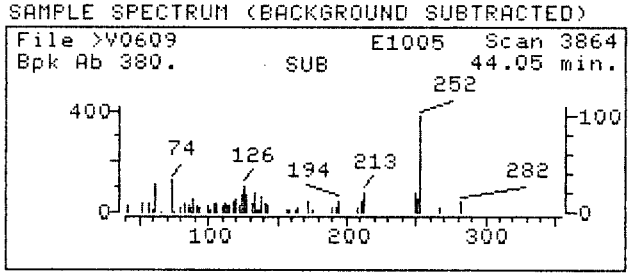
Quant Output File: ^V0609::A5
Instrument ID: MACH-2
BTL#10
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 74
Compound Name : Benzo(k)fluoranthene
Scan Number : 3570
Retention Time: 40.96 min.
Quant Ion : 252.0
Area : 3778M
Concentration : 1.15 UG/ML
q-value : 61

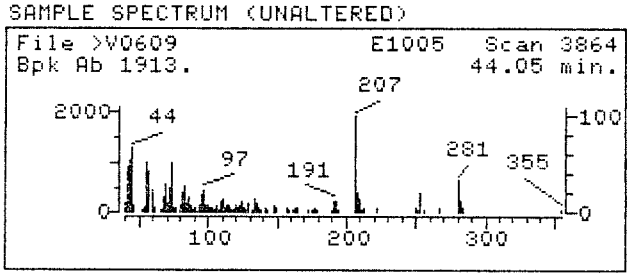
REFERENCE STANDARD SPECTRUM

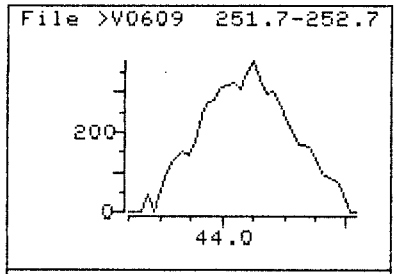


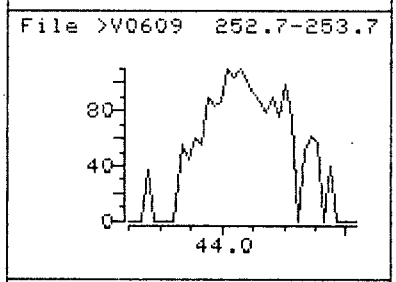
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

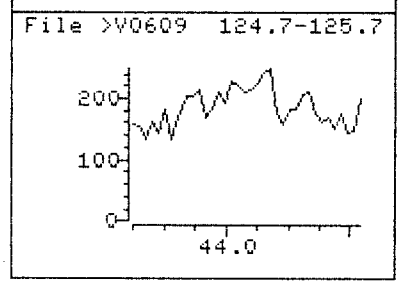


SAMPLE SPECTRUM (UNALTERED)









Data File: >V0609
Name: E1005-02
Misc: 2E 50.322G 1ML
Quant Time: 941006 19:59
Injected at: 941006 18:31
Last Qcal Time: 941006 09:37

Quant Output File: ^V0609::A5
Instrument ID: MACH-2
BTL#10
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3864
Retention Time: 44.05 min.
Quant Ion : 252.0
Area : 3860
Concentration : 1.30 UG/ML
q-value : 55

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-4A

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 4A

Sample wt/vol: 50.1 (g/mL) g Lab File ID: >V0603

Level: (low/med) low Date Received: 10/05/94

% Moisture: 17 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	36	U
218-01-9	Chrysene	36	U
205-99-2	Benzo(b)fluoranthene	36	U
207-08-9	Benzo(k)fluoranthene	36	U
50-32-8	Benzo(a)pyrene	36	U
193-39-5	Indeno(1,2,3-cd)pyrene	36	U
53-70-3	Dibenz(a,h)anthracene	36	U

Operator ID: ANDY
Output File: ^V0603::A5
Data File: >V0603::A0
Name: E1005-02
Misc: 4A 50.114G 1ML

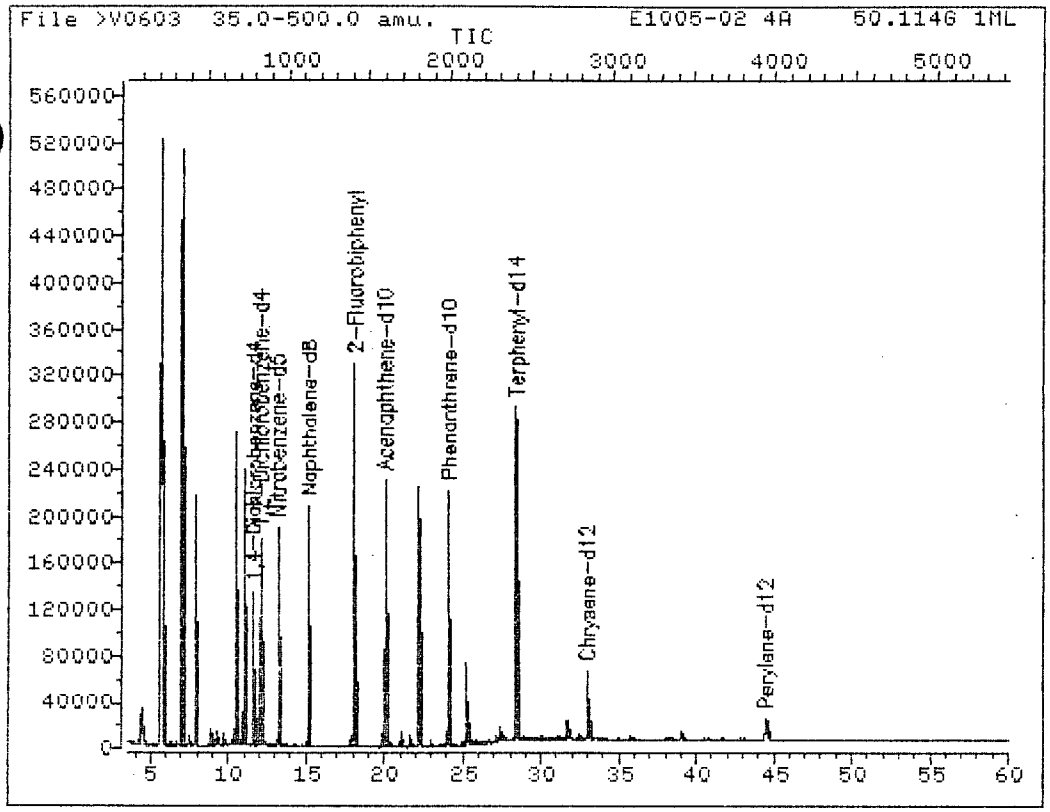
Quant Rev: 7
Quant Time: 941006 13:01
Injected at: 941006 11:39
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 4

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941006 09:37

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.56	152.0	60733	20.00	UG/ML	66
5)	1,2-Dichlorobenzene-d4	12.01	152.0	78705	32.56	UG/ML	59
17)	*Naphthalene-d8	15.14	136.0	216947	20.00	UG/ML	98
18)	Nitrobenzene-d5	13.11	82.0	132017	34.01	UG/ML	54
31)	*Acenaphthene-d10	19.98	164.0	131009	20.00	UG/ML	97
36)	2-Fluorobiphenyl	18.06	172.0	256287	36.27	UG/ML	94
51)	*Phenanthrene-d10	24.05	188.0	222513	20.00	UG/ML	90
63)	*Chrysene-d12	32.93	240.0	105771	20.00	UG/ML	98
65)	Terphenyl-d14	28.35	244.0	327644	51.12	UG/ML	80
71)	*Perylene-d12	44.45	264.0	73695	20.00	UG/ML	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V0603 Quant Output File: ^V0603::A5
Name: E1005-02 Instrument ID: MACH-2
Misc: 4A 50.114G 1ML BTL# 4

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941006 09:37

Operator ID: ANDY
Quant Time : 941006 13:01
Injected at: 941006 11:39

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-4B

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 4B

Sample wt/vol: 50.3 (g/mL) g Lab File ID: >V0604

Level: (low/med) low Date Received: 10/05/94

% Moisture: 22 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	38	U
218-01-9	Chrysene	38	U
205-99-2	Benzo(b)fluoranthene	38	U
7-08-9	Benzo(k)fluoranthene	38	U
50-32-8	Benzo(a)pyrene	38	U
193-39-5	Indeno(1,2,3-cd)pyrene	38	U
53-70-3	Dibenz(a,h)anthracene	38	U

0358

Operator ID: ANDY
Output File: ^V0604::A5
Data File: >V0604::A0
Name: E1005-02
Misc: 4B 50.324G 1ML

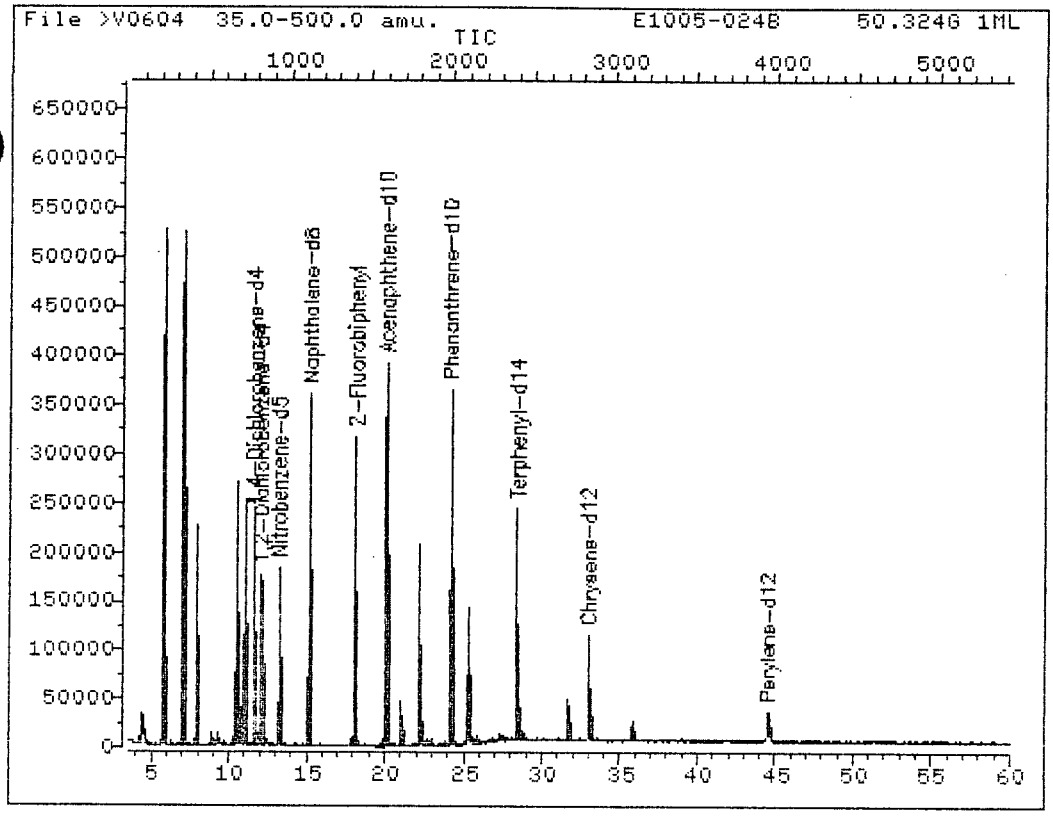
Quant Rev: 7
Quant Time: 941006 14:03
Injected at: 941006 13:02
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 5

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941006 09:37

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.58	152.0	109861	20.00	UG/ML	62
5)	1,2-Dichlorobenzene-d4	12.01	152.0	77541	17.73	UG/ML	58
17)	*Naphthalene-d8	15.15	136.0	389905	20.00	UG/ML	99
18)	Nitrobenzene-d5	13.13	82.0	132673	19.02	UG/ML	54
31)	*Acenaphthene-d10	20.00	164.0	236485	20.00	UG/ML	95
36)	2-Fluorobiphenyl	18.06	172.0	254485	19.95	UG/ML	94
51)	*Phenanthrene-d10	24.06	188.0	405666	20.00	UG/ML	91
63)	*Chrysene-d12	32.96	240.0	198909	20.00	UG/ML	98
65)	Terphenyl-d14	28.36	244.0	263515	21.86	UG/ML	80
71)	*Perylene-d12	44.51	264.0	126073	20.00	UG/ML	93

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V0604 Quant Output File: ^V0604::A5
Name: E1005-02 Instrument ID: MACH-2
Misc: 4B 50.324G 1ML BTL# 5

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941006 09:37

Operator ID: ANDY
Quant Time : 941006 14:03
Injected at: 941006 13:02

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-4C

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 4C

Sample wt/vol: 50.4 (g/mL) g Lab File ID: >V0705

Level: (low/med) low Date Received: 10/05/94

% Moisture: 19 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	245	U
111-44-4	bis(2-Chloroethyl)ether	245	U
95-57-8	2-Chlorophenol	245	U
541-73-1	1,3-Dichlorobenzene	245	U
106-46-7	1,4-Dichlorobenzene	245	U
95-50-1	1,2-Dichlorobenzene	245	U
95-48-7	2-Methylphenol	245	U
108-60-1	2,2'-oxybis(1-Chloropropane)	245	U
106-44-5	4-Methylphenol	245	U
621-64-7	N-Nitroso-di-n-propylamine	245	U
67-72-1	Hexachloroethane	245	U
98-95-3	Nitrobenzene	245	U
78-59-1	Isophorone	245	U
88-75-5	2-Nitrophenol	245	U
105-67-9	2,4-Dimethylphenol	245	U
111-91-1	bis(2-Chloroethoxy)methane	245	U
120-83-2	2,4-Dichlorophenol	245	U
120-82-1	1,2,4-Trichlorobenzene	245	U
91-20-3	Naphthalene	245	U
106-47-8	4-Chloroaniline	245	U
87-68-3	Hexachlorobutadiene	245	U
59-50-7	4-Chloro-3-methylphenol	245	U
91-57-6	2-Methylnaphthalene	245	U
77-47-4	Hexachlorocyclopentadiene	245	U
88-06-2	2,4,6-Trichlorophenol	245	U
95-95-4	2,4,5-Trichlorophenol	612	U
91-58-7	2-Chloronaphthalene	245	U
88-74-4	2-Nitroaniline	612	U
131-11-3	Dimethylphthalate	245	U
208-96-8	Acenaphthylene	245	U
606-20-2	2,6-Dinitrotoluene	245	U
99-09-2	3-Nitroaniline	612	U
83-32-9	Acenaphthene	245	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MS-4C

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 4C

Sample wt/vol: 50.4 (g/mL) g Lab File ID: >V0705

Level: (low/med) low Date Received: 10/05/94

% Moisture: 19 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	612	U
100-02-7	4-Nitrophenol	612	U
132-64-9	Dibenzofuran	245	U
1-14-2	2,4-Dinitrotoluene	245	U
66-2	Diethylphthalate	245	U
7005-72-3	4-chlorophenyl-phenylether	245	U
86-73-7	Fluorene	245	U
100-01-6	4-Nitroaniline	612	U
534-52-1	4,6-Dinitro-2-methylphenol	612	U
86-30-6	N-Nitrosodiphenylamine (1)	245	U
101-55-3	4-Bromophenyl-phenylether	245	U
118-74-1	Hexachlorobenzene	245	U
87-86-5	Pentachlorophenol	612	U
85-01-8	Phenanthrene	245	U
120-12-7	Anthracene	245	U
86-74-8	Carbazole	245	U
84-74-2	Di-n-butylphthalate	215	BJ
206-44-0	Fluoranthene	245	U
129-00-0	Pyrene	245	U
85-68-7	Butylbenzylphthalate	245	U
91-94-1	3,3'-Dichlorobenzidine	245	U
56-55-3	Benzo(a)anthracene	37	U
218-01-9	Chrysene	37	U
117-81-7	bis(2-Ethylhexyl)phthalate	245	U
117-84-0	Di-n-octylphthalate	245	U
205-99-2	Benzo(b)fluoranthene	37	U
207-08-9	Benzo(k)fluoranthene	37	U
50-32-8	Benzo(a)pyrene	37	U
193-39-5	Indeno(1,2,3-cd)pyrene	37	U
53-70-3	Dibenz(a,h)anthracene	37	U
191-24-2	Benzo(g,h,i)perylene	245	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MS-4C

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) SOIL Lab Sample ID: 4C

Sample wt/vol: 50.4 (g/mL) g Lab File ID: >V0705

Level: (low/med) low Date Received: 10/05/94

% Moisture: 19 decanted:(Y/N) N Date Extracted: 10/05/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/07/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.9

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	4.31	395	J
2.		UNKNOWN ALKYL ALCOHOL	4.45	215	J
3.		ALKYL SUBSTITUTED HYDROCARBON	5.73	7112	J
4.		ALKYL SUBSTITUTED HYDROCARBON	6.71	110	J
5.		UNKNOWN ALKYL ALCOHOL	7.03	3983	J
6.		UNKNOWN ALKYL ALCOHOL	8.88	127	J
7.		UNKNOWN ALKYL ALCOHOL	9.40	101	J
8.		UNKNOWN ALKYL ALCOHOL	12.22	157	J
9.		UNKNOWN HYDROCARBON	18.84	77	J
10.		UNKNOWN ALKYL ESTER	20.91	103	J
11.		UNKNOWN HYDROCARBON	21.02	74	J
12.		UNKNOWN HYDROCARBON	22.89	98	J
13.		UNL\KNOWN CARBOXYLIC ACID	24.48	52	J
14.	57-10-3	HEXADECANOIC ACID	25.19	398	J
15.		UNKNOWN HYDROCARBON	28.81	109	J
16.		UNKNOWN ALKYL ALCOHOL	31.60	247	J
17.		UNKNOWN HYDROCARBON	35.68	173	J
18.		UNKNOWN HYDROCARBON	38.99	362	J
19.		UNKNOWN HYDROCARBON	41.61	215	J
20.		UNKNOWN HYDROCARBON	50.79	278	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Operator ID: ANDY
Output File: ^V0705::A5
Data File: >V0705::A1
Name: E1005-02
Misc: 4C 50.393G 1ML

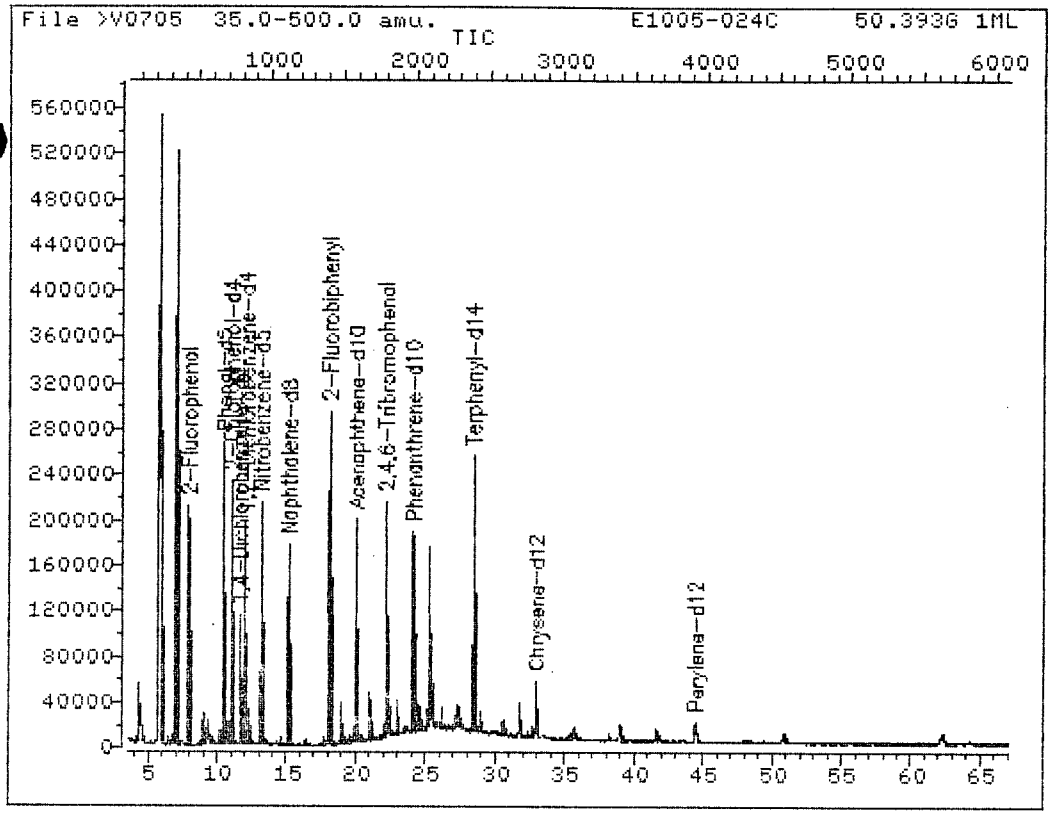
Quant Rev: 7
Quant Time: 941010 09:00
Injected at: 941007 15:52
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 6

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941007 11:43

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.57	152.0	47403	20.00	UG/ML	57
2)	2-Fluorophenol	7.85	112.0	134901	58.26	UG/ML	77
3)	Phenol-d5	10.41	99.0	187602	58.40	UG/ML	87
4)	2-Chlorophenol-d4	10.95	132.0	138087	56.91	UG/ML	85
5)	1,2-Dichlorobenzene-d4	12.02	152.0	79933	46.94	UG/ML	53
17)	*Naphthalene-d8	15.14	136.0	178978	20.00	UG/ML	96
18)	Nitrobenzene-d5	13.12	82.0	163100	51.97	UG/ML	57
31)	*Acenaphthene-d10	19.98	164.0	110171	20.00	UG/ML	97
36)	2-Fluorobiphenyl	18.05	172.0	236637	44.06	UG/ML	94
51)	*Phenanthrene-d10	24.04	188.0	178658	20.00	UG/ML	94
54)	2,4,6-Tribromophenol	22.11	330.0	84407	90.64	UG/ML	94
61)	Di-n-butylphthalate	25.34	149.0	85539	8.79	UG/ML	96
63)	*Chrysene-d12	32.92	240.0	89127	20.00	UG/ML	98
65)	Terphenyl-d14	28.34	244.0	281404	59.91	UG/ML	79
71)	*Perylene-d12	44.44	264.0	71243	20.00	UG/ML	93

* Compound is ISTD

TOTAL ION CHROMATOGRAM

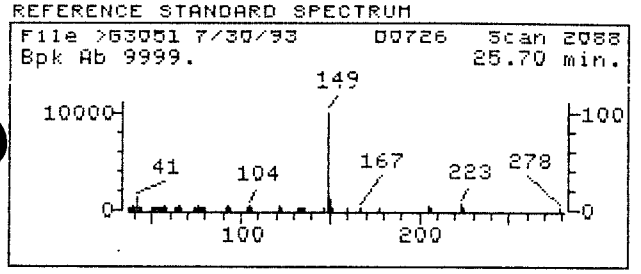


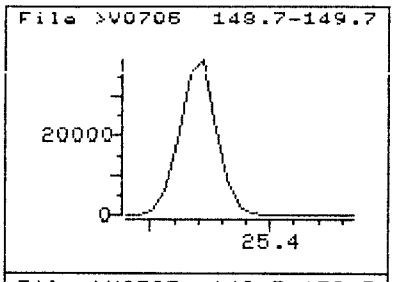
Data File: >V0705 Quant Output File: ^V0705::A5
Name: E1005-02 Instrument ID: MACH-2
Misc: 4C 50.393G 1ML BTL# 6

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941007 11:43

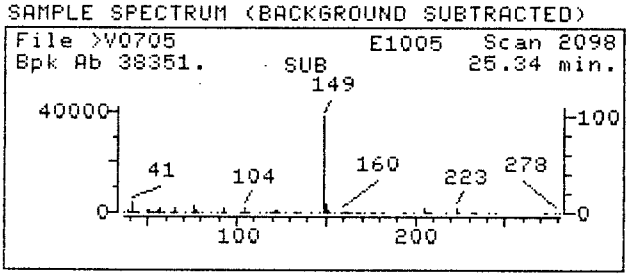
Operator ID: ANDY
Quant Time : 941010 09:00
Injected at: 941007 15:52

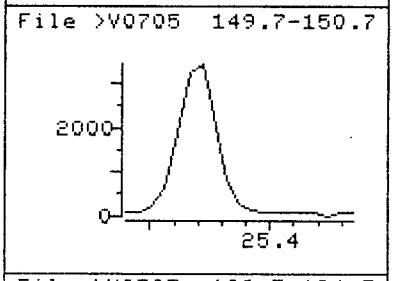
REFERENCE STANDARD SPECTRUM



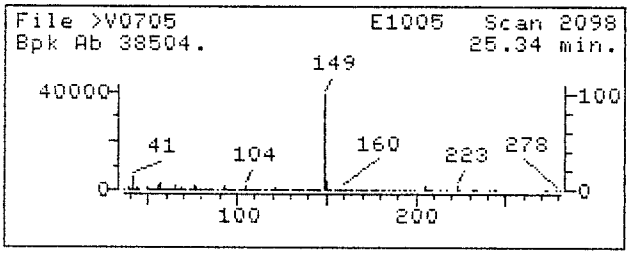


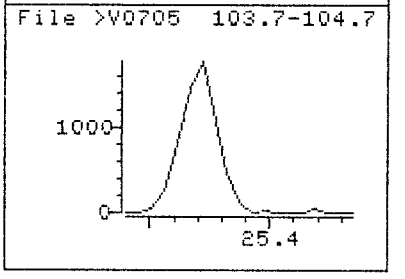
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





SAMPLE SPECTRUM (UNALTERED)



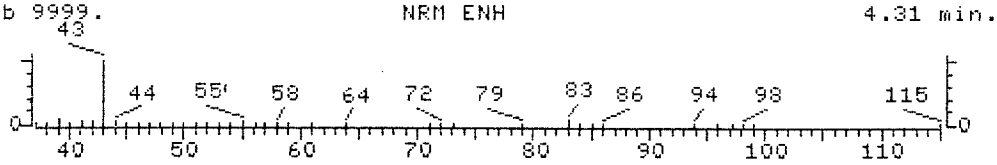


Data File: >V0705
Name: E1005-02
Misc: 4C 50.393G 1ML
Quant Time: 941010 09:00
Injected at: 941007 15:52
Last Qcal Time: 941007 11:43

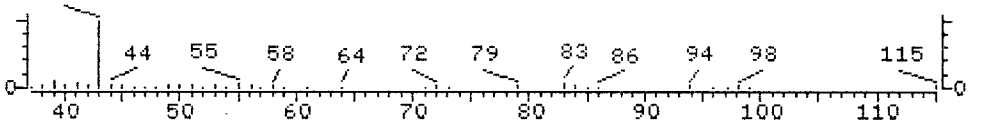
Quant Output File: ^V0705::A5
Instrument ID: MACH-2
BTL# 6
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 61
Compound Name : Di-n-butylphthalate
Scan Number : 2098
Retention Time: 25.34 min.
Quant Ion : 149.0
Area : 85539
Concentration : 8.79 UG/ML
q-value : 96

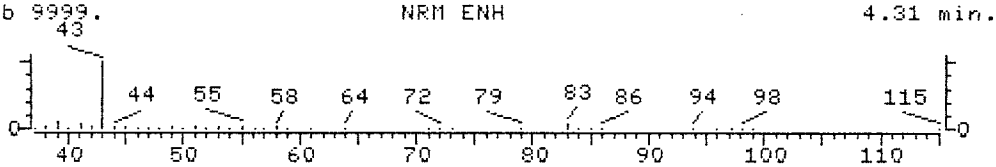
File >V0705 E1005-024C 50.393G 1ML Scan 80
Bpk Ab 9999. NRM ENH 4.31 min.



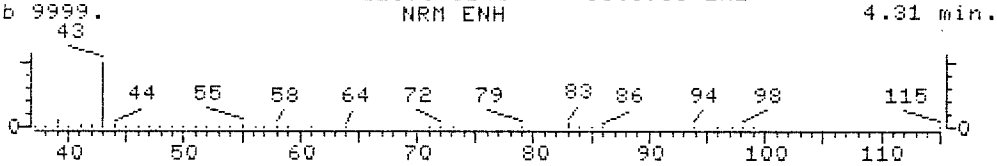
File >V0705 E1005-024C 50.393G 1ML Scan 80
Bpk Ab 9999. NRM ENH 4.31 min.



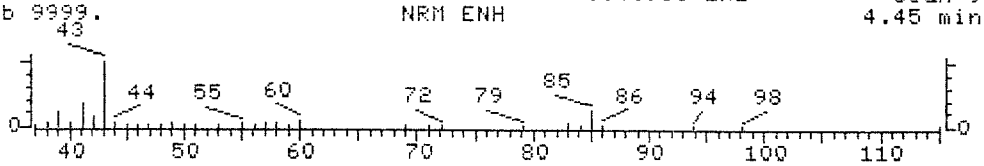
File >V0705 E1005-024C 50.393G 1ML Scan 80
Bpk Ab 9999. NRM ENH 4.31 min.



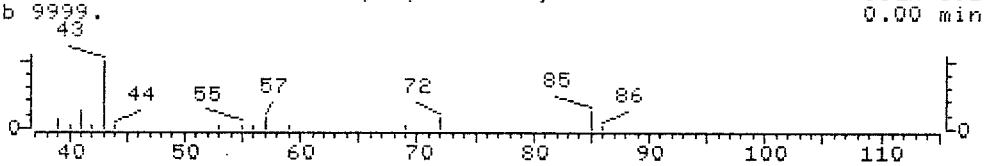
File >V0705 E1005-024C 50.393G 1ML Scan 80
Bpk Ab 9999. NRM ENH 4.31 min.



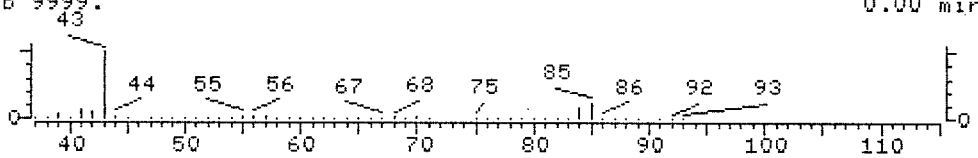
File >V0705 E1005-024C 50.393G 1ML Scan 93
Bpk Ab 9999. NRM ENH 4.45 min.



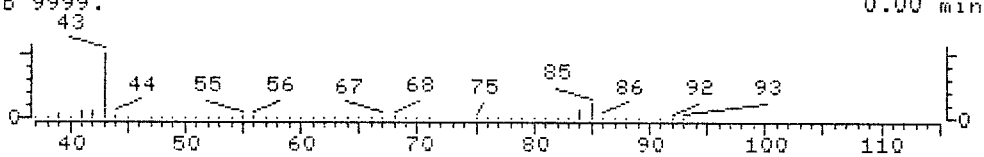
File >BIGDB Pentanal, 2,2-dimethyl- (9CI) Scan 5928
Bpk Ab 9999. 0.00 min.



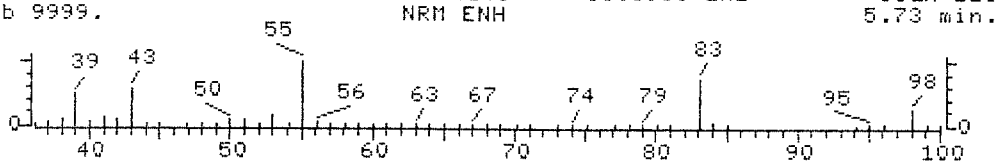
File >BIGDB Pyrrolidine, 3-methyl- (8CI9CI) Scan 5939
Bpk Ab 9999. 0.00 min.



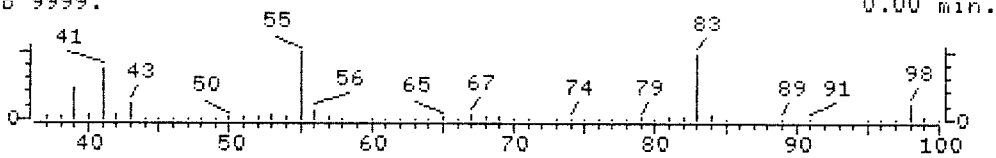
File >BIGDB Pyrrolidine, 3-methyl- (8CI9CI) Scan 5939
Bpk Ab 9999. 0.00 min.



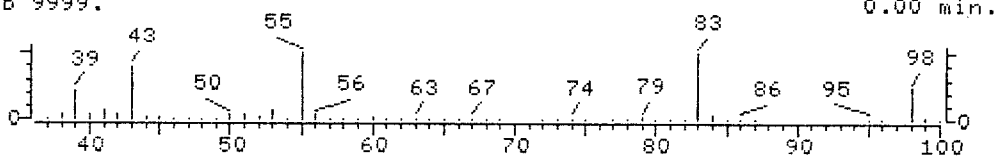
File >V0705 E1005-024C 50.3936 1ML Scan 216
Bpk Ab 9999. NRM ENH 5.73 min.



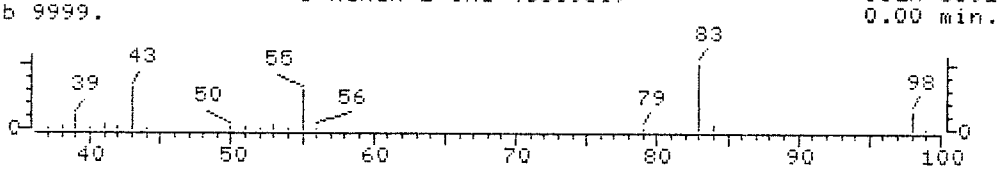
File >BIGDB Cyclopropane, 1,1,2,2-tetramethyl- (8CI9CI) Scan 5593
Bpk Ab 9999. 0.00 min.



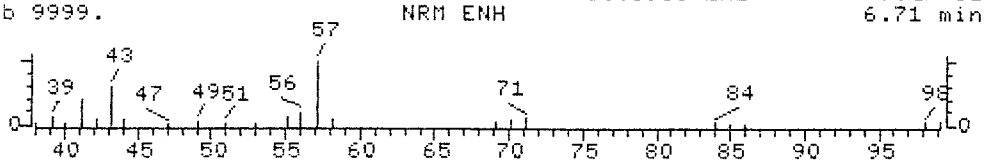
File >BIGDB 3-Penten-2-one, 4-methyl- (8CI9CI) Scan 8486
Bpk Ab 9999. 0.00 min.



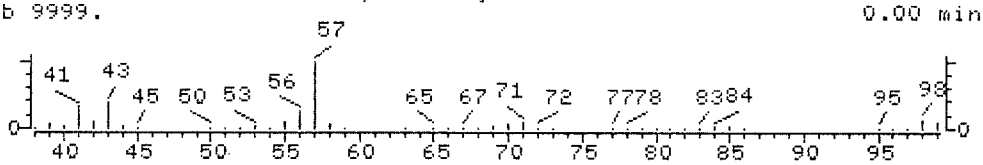
File >BIGDB 3-Hexen-2-one (8CI9CI) Scan 5591
Bpk Ab 9999. 0.00 min.



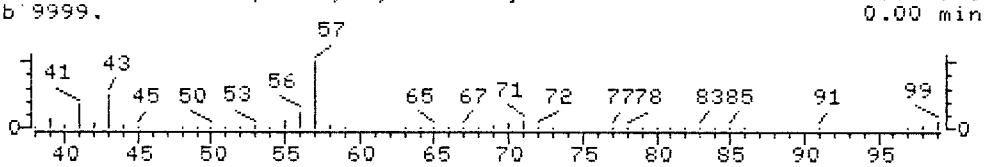
File >V0705 E1005-024C 50.393G 1ML Scan 310
Bpk Ab 9999. NRM ENH 6.71 min.



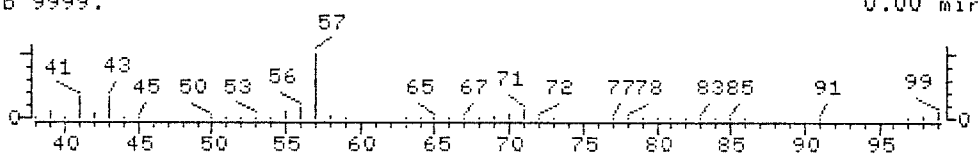
File >BIGDB Octane, 3-methyl- (8CI9CI) Scan 8731
Bpk Ab 9999. 0.00 min.

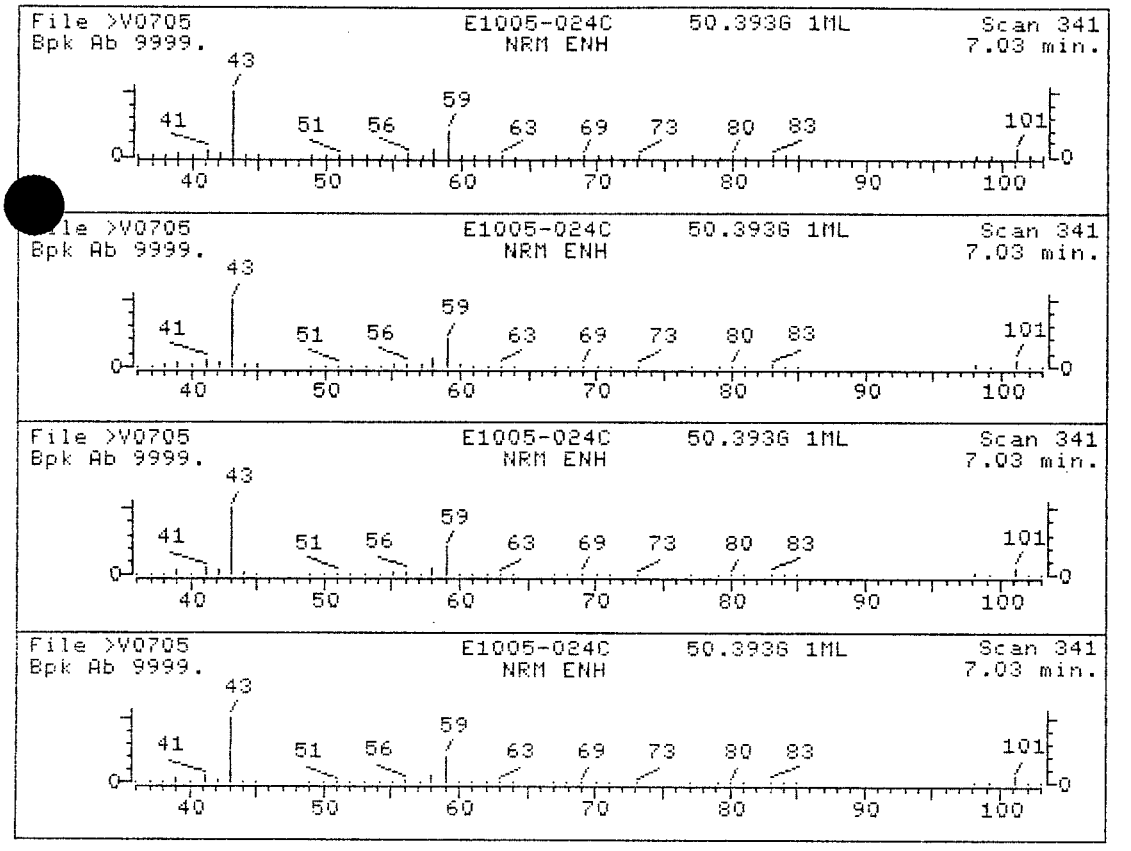


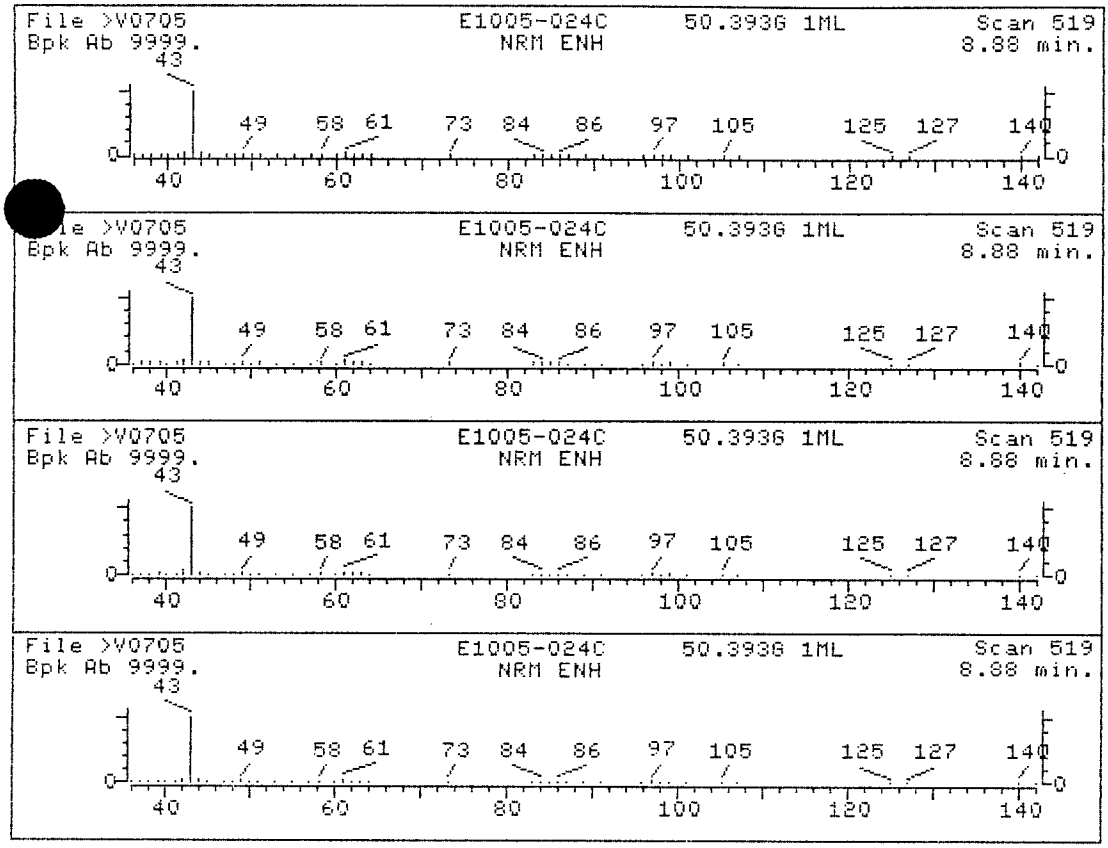
File >BIGDB Heptane, 2,5-dimethyl- (8CI9CI) Scan 8730
Bpk Ab 9999. 0.00 min.



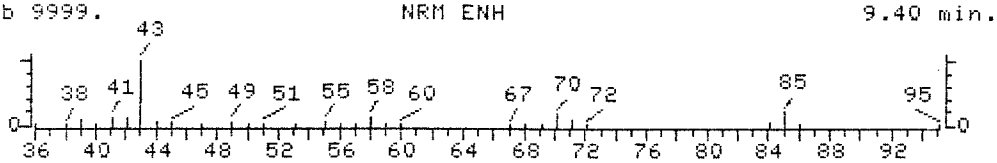
File >BIGDB Heptane, 3,5-dimethyl- (8CI9CI) Scan 8724
Bpk Ab 9999. 0.00 min.



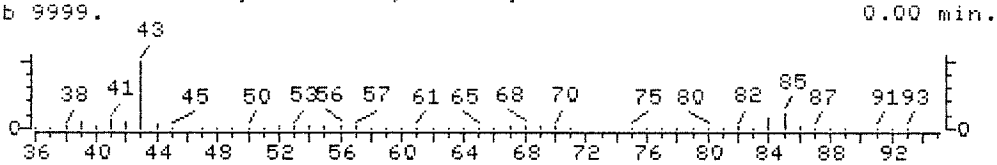

File >V0705
Bpk Ab 9999.
E1005-024C
NRM ENH
50.393G 1ML
Scan 341
7.03 min.
43
41
51
56
59
63
69
73
80
83
101
0
40
50
60
70
80
90
100


File >V0705
Bpk Ab 9999.
E1005-024C
NRM ENH
50.3936 1ML
Scan 519
8.88 min.
43
49
58
61
73
84
86
97
105
125
127
140
0
40
60
80
100
120
140

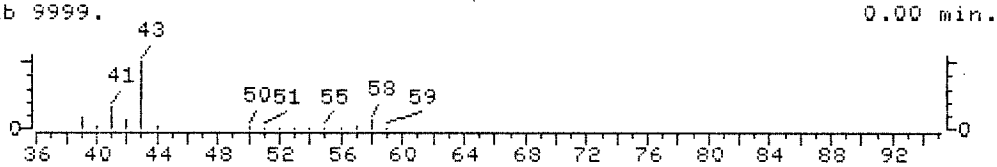
File >V0705 E1005-024C 50.393G 1ML Scan 569
Bpk Ab 9999. NRM ENH 9.40 min.



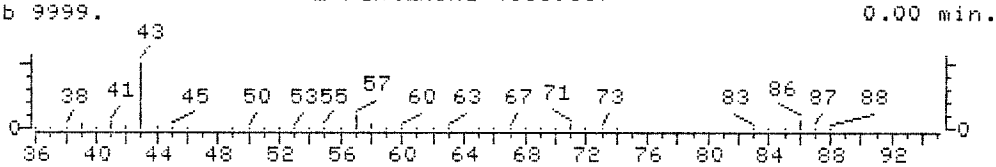
File >BIGDB Pyrrolidine, 3-methyl- (8CI9CI) Scan 5939
Bpk Ab 9999. 0.00 min.



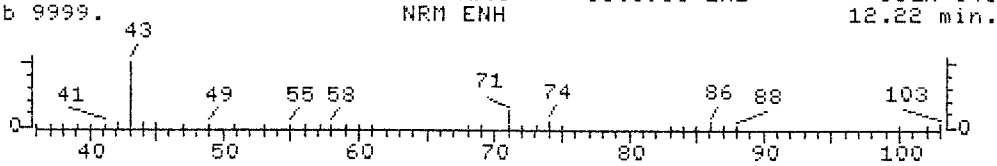
File >BIGDB Butane (8CI9CI) Scan 1234
Bpk Ab 9999. 0.00 min.



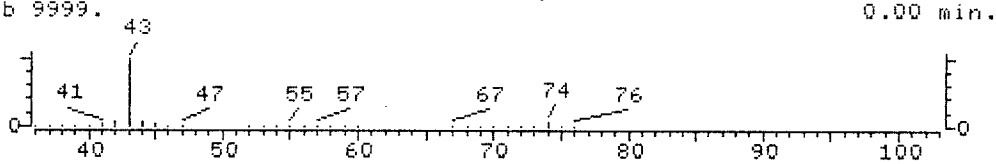
File >BIGDB 2-Pentanone (8CI9CI) Scan 6303
Bpk Ab 9999. 0.00 min.



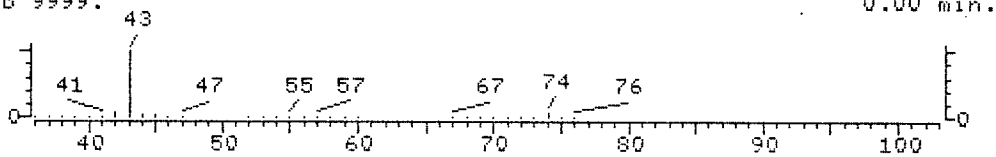
File >V0705 E1005-024C 50.393G 1ML Scan 840
Bpk Ab 9999. NRM ENH 12.22 min.



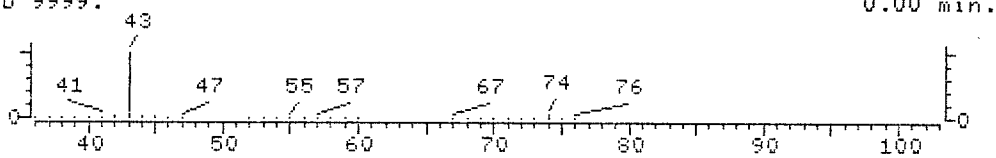
File >BIGDB 2-Propanone, 1-hydroxy- (8CI9CI) Scan 134
Bpk Ab 9999. 0.00 min.

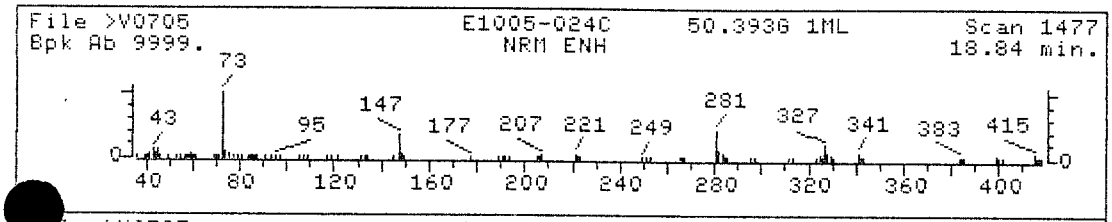


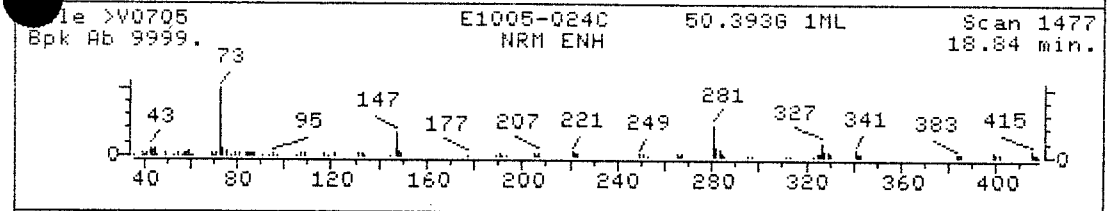
File >BIGDB 2-Propanone, 1-hydroxy- (8CI9CI) Scan 134
Bpk Ab 9999. 0.00 min.

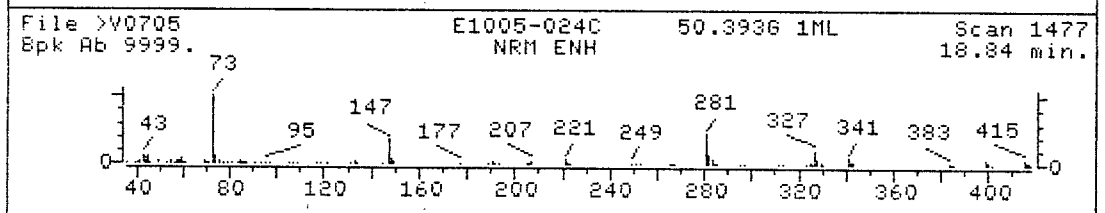


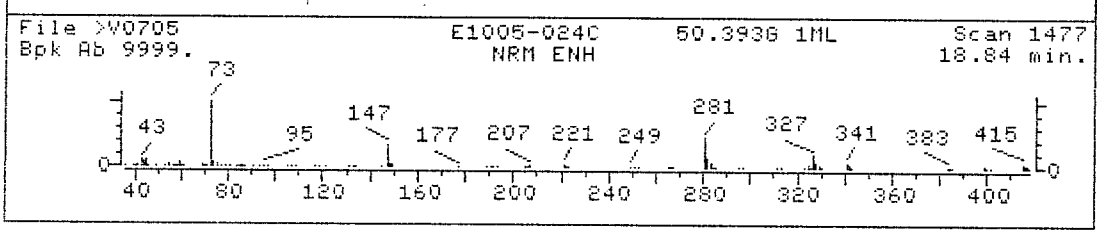
File >BIGDB 2-Propanone, 1-hydroxy- (8CI9CI) Scan 134
Bpk Ab 9999. 0.00 min.



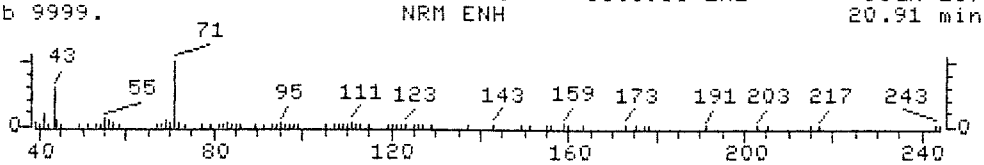

File >V0705
Bpk Ab 9999.
E1005-024C
NRM ENH
50.3936 1ML
Scan 1477
18.84 min.
73
43
95
147
177
207
221
249
281
327
341
383
415
40
80
120
160
200
240
280
320
360
400


File >V0705
Bpk Ab 9999.
E1005-024C
NRM ENH
50.3936 1ML
Scan 1477
18.84 min.
73
43
95
147
177
207
221
249
281
327
341
383
415
40
80
120
160
200
240
280
320
360
400

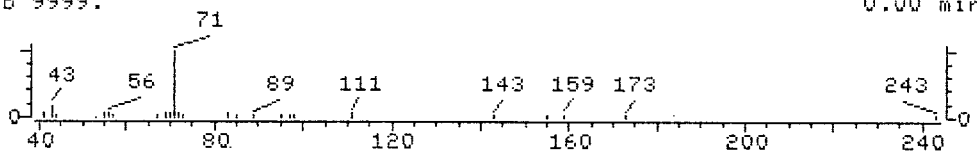

File >V0705
Bpk Ab 9999.
E1005-024C
NRM ENH
50.3936 1ML
Scan 1477
18.84 min.
73
43
95
147
177
207
221
249
281
327
341
383
415
40
80
120
160
200
240
280
320
360
400


File >V0705
Bpk Ab 9999.
E1005-024C
NRM ENH
50.3936 1ML
Scan 1477
18.84 min.
73
43
95
147
177
207
221
249
281
327
341
383
415
40
80
120
160
200
240
280
320
360
400

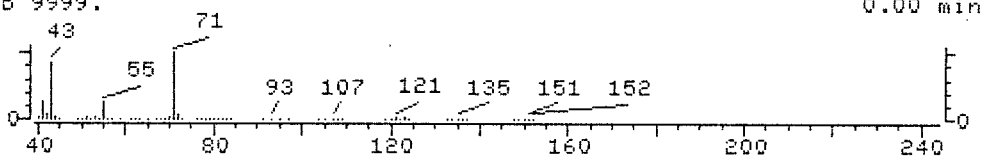
File >V0705 E1005-024C 50.3936 1ML Scan 1675
Bpk Ab 9999. NRM ENH 20.91 min.



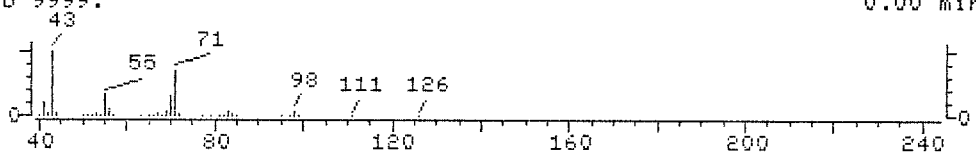
File >BIGDB Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)- Scan 3943
Bpk Ab 9999. 0.00 min.

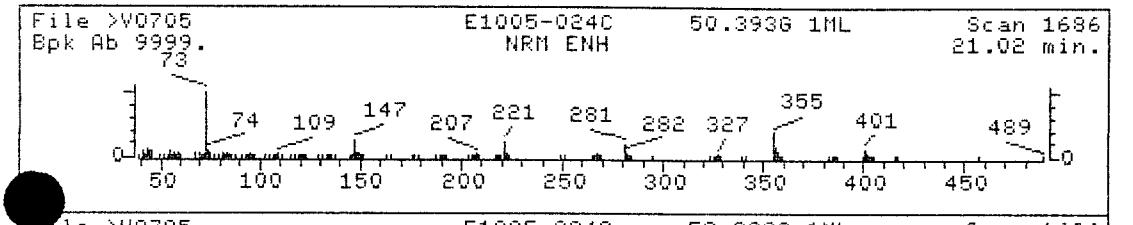


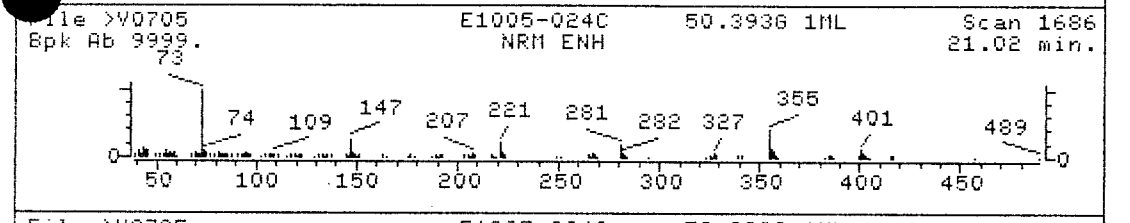
File >BIGDB Butane, 2-bromo-2-methyl- (8CI9CI) Scan 3882
Bpk Ab 9999. 0.00 min.



File >BIGDB 1-Hexene, 3,4,5-trimethyl- (9CI) Scan 3922
Bpk Ab 9999. 0.00 min.




File >V0705
Bpk Ab 9999.
E1005-024C
NRM ENH
50.393G 1ML
Scan 1686
21.02 min.
73
74
109
147
207
221
281
282
327
355
401
489
50
100
150
200
250
300
350
400
450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Bpk Ab 9999.
E1005-024C
NRM ENH
50.393G 1ML
Scan 1686
21.02 min.
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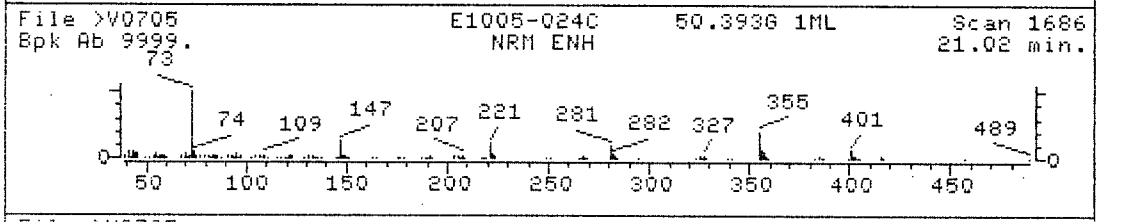
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50.393G 1ML
Scan 1686
21.02 min.
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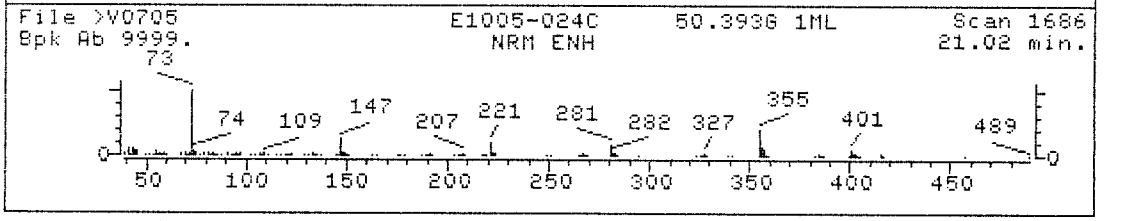
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E1005-024C
NRM ENH
50.393G 1ML
Scan 1686
21.02 min.
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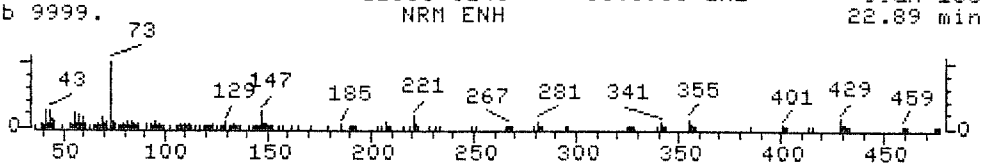
File >V0705 E1005-024C 50.3936 1ML Scan 1864
Bpk Ab 9999. NRM ENH 22.89 min.



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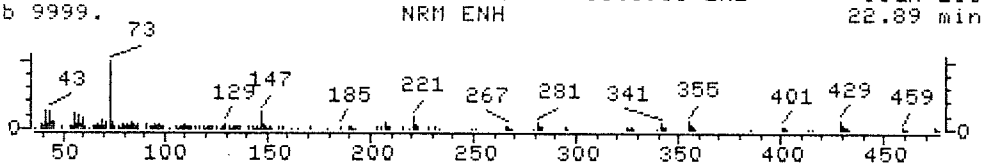

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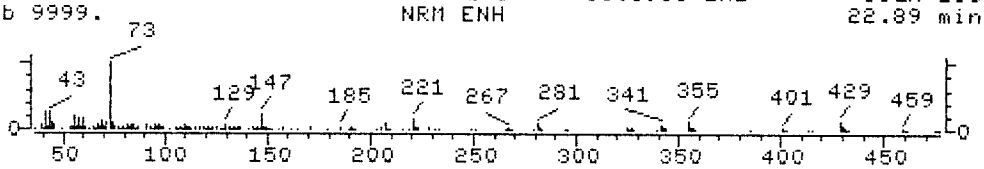

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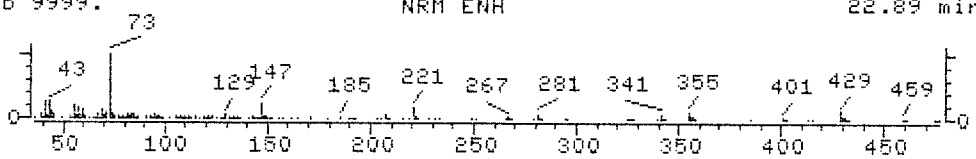
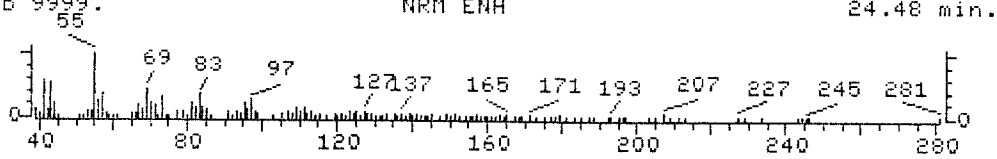
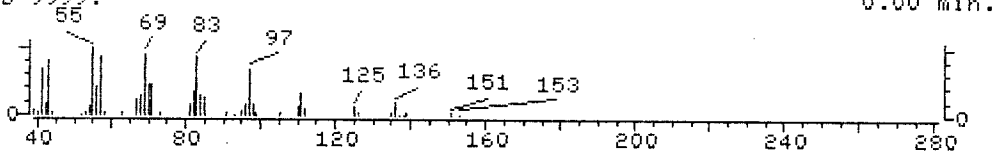


File >V0705 E1005-024C 50.393G 1ML Scan 2016
Bpk Ab 9999. NRM ENH 24.48 min.



File >BIGDB Phosphonic acid, dioctadecyl ester (8CI9CI) Scan 8329
Bpk Ab 9999. 0.00 min.



File >BIGDB 11-Tricosene (9CI) Scan 8318
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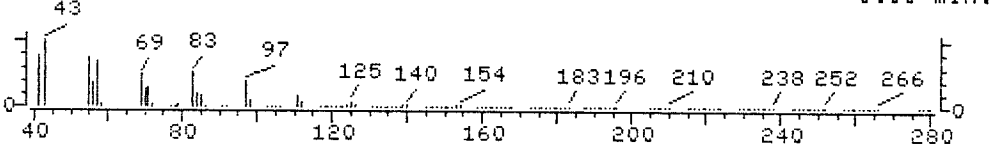

File >BIGDB 5-Octadecene, (E)- (8CI9CI) Scan 8295
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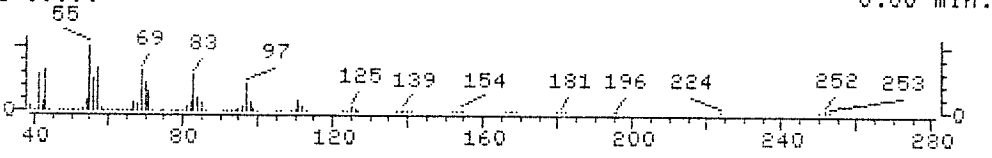

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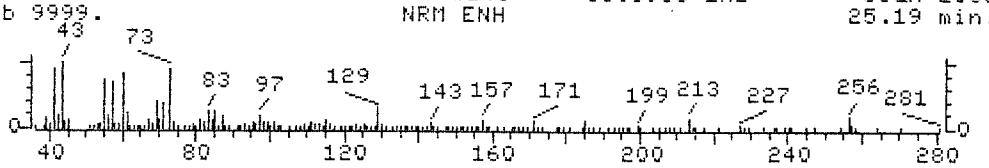

File >BIGDB Hexadecanoic acid (9CI) Scan 2008
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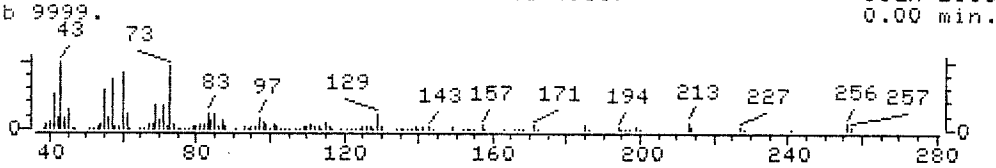

File >BIGDB Dodecanamide, N,N-bis(2-hydroxyethyl)- (8CI9CI) Scan 1984
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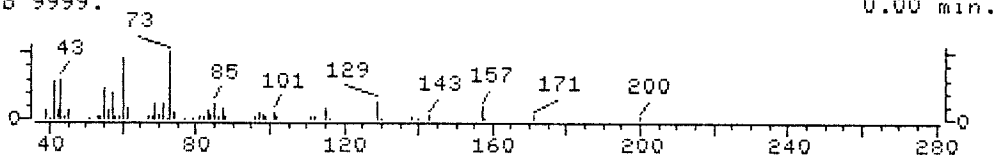

File >BIGDB Glycine, N-methyl-N-(1-oxododecyl)- (9CI) Scan 1972
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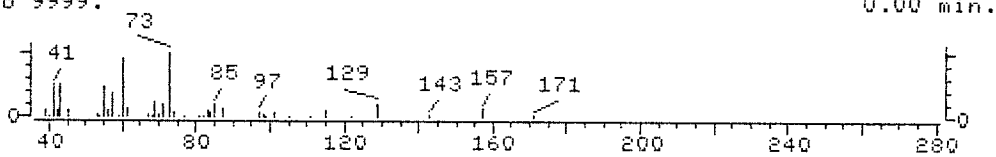

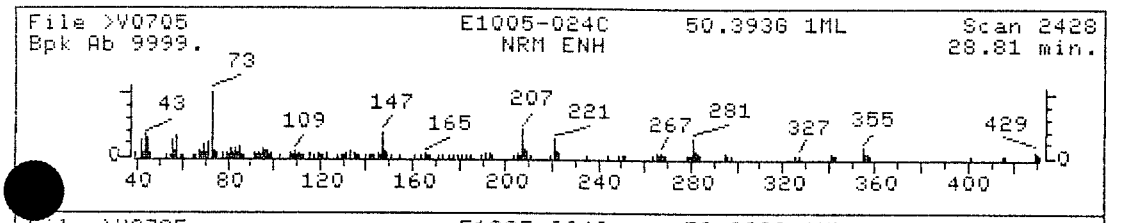
File >V0705
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E1005-024C
NRM ENH
50.3936 1ML
Scan 2428
28.81 min.
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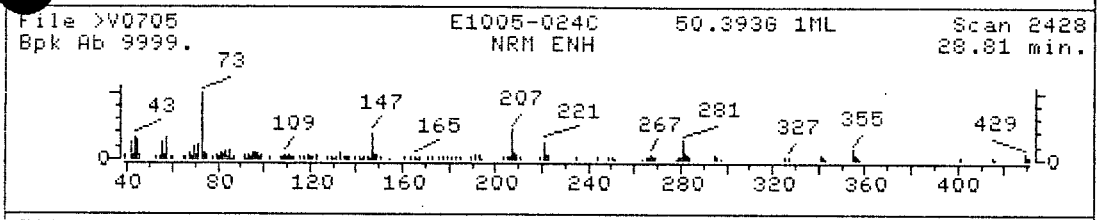
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E1005-024C
NRM ENH
50.3936 1ML
Scan 2428
28.81 min.
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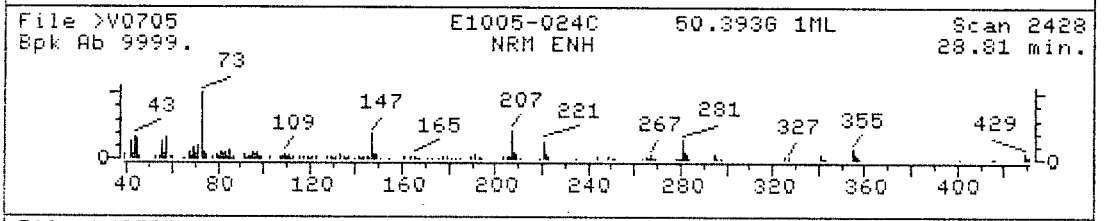
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E1005-024C
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Scan 2428
28.81 min.
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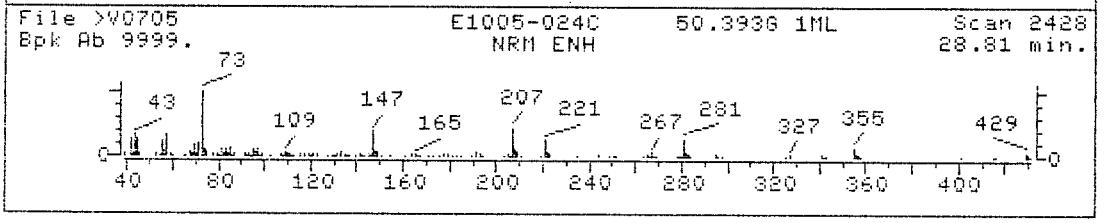
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E1005-024C
NRM ENH
50.3936 1ML
Scan 2428
28.81 min.
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File >V0705 E1005-024C 50.3936 1ML Scan 2694
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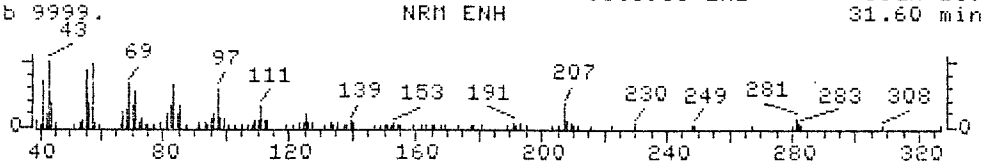
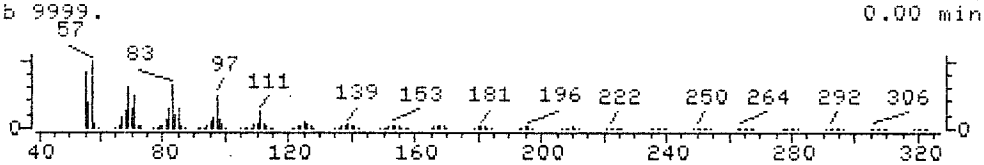
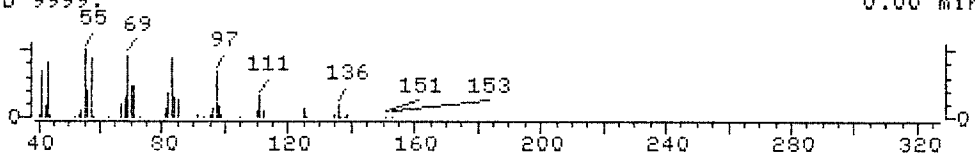


File >BIGDB 1-Dotriacontanol (8CI9CI) Scan 8333
Bpk Ab 9999. 0.00 min.



File >BIGDB Phosphonic acid, dioctadecyl ester (8CI9CI) Scan 8329
Bpk Ab 9999. 0.00 min.



File >BIGDB 1-Hentetracontanol (9CI) Scan 8384
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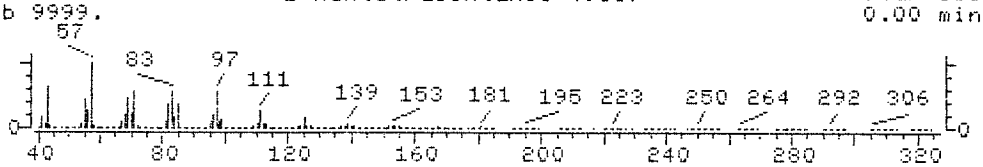

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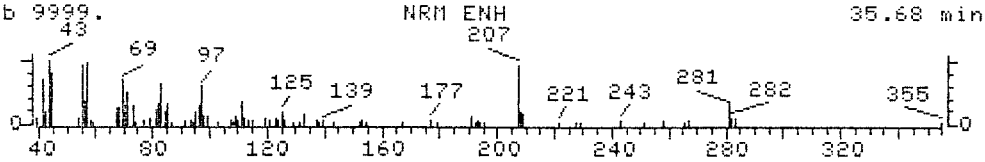
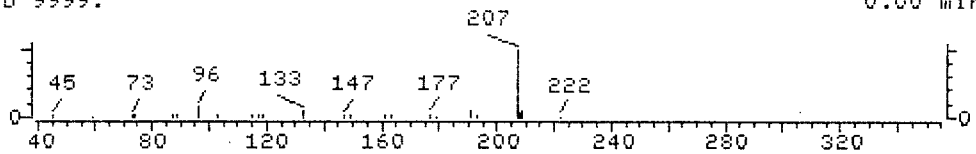
Bpk Ab 9999. NRM ENH 35.68 min.



File >BIGDB Cyclotrisiloxane, hexamethyl- (8CI9CI) Scan 25363
Bpk Ab 9999. 0.00 min.



File >BIGDB 1-Benzopyrylium, 2-phenyl- (9CI) Scan 25365
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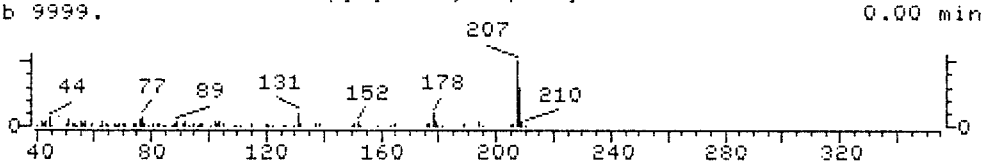
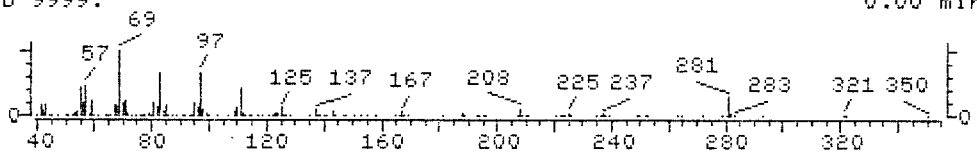
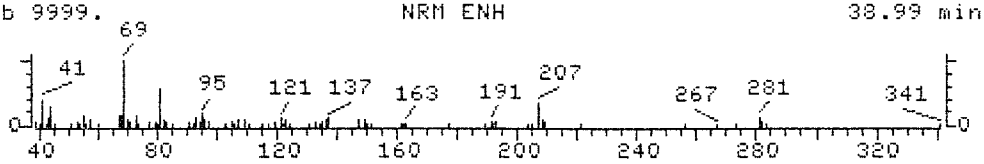


File >BIGDB 1,3-Dioxolane, 4-ethyl-5-octyl-2,2-bis(trifluorom Scan 32178
Bpk Ab 9999. 0.00 min.



File >V0705 E1005-024C 50.3936 1ML Scan 3401
Bpk Ab 9999. NRM ENH 38.99 min.



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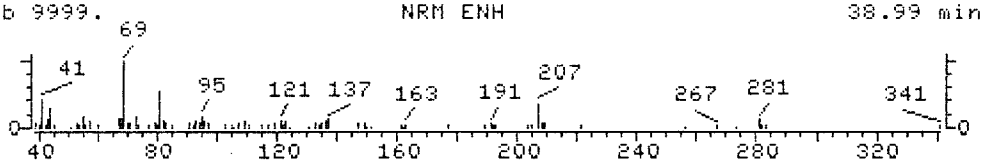

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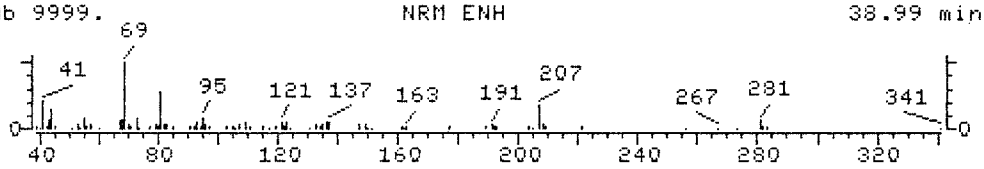

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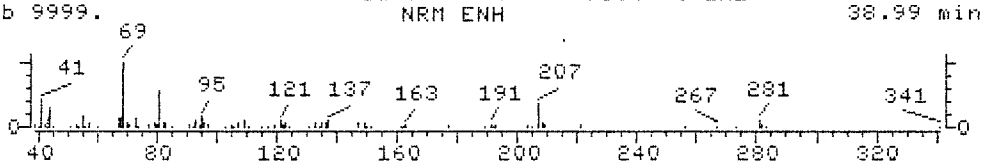

File >V0705 E1005-024C 50.393G 1ML Scan 3652
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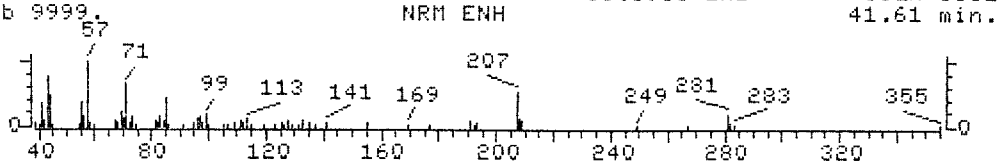

File >BIGDB Eicosane (8CI9CI) Scan 6286
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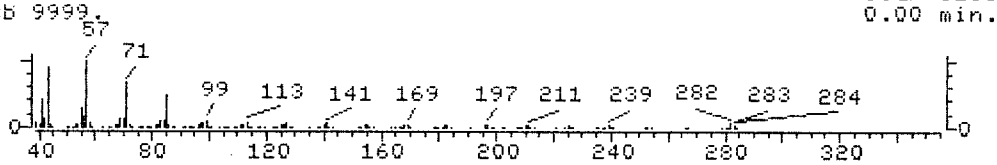

File >BIGDB Eicosane, 9-octyl- (8CI) Scan 32162
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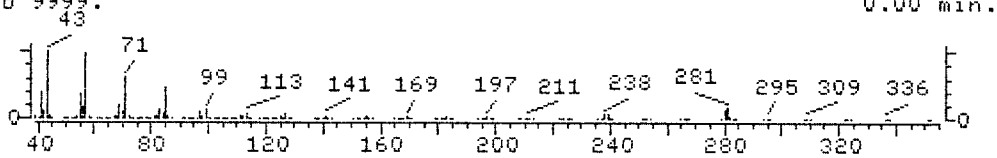
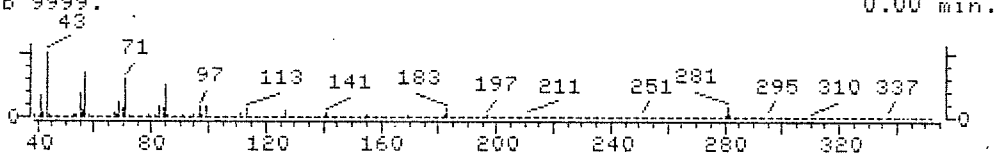


File >BIGDB Octadecane, 3-ethyl-5-(2-ethylbutyl)- (9CI) Scan 32179
Bpk Ab 9999. 0.00 min.



File >V0705 E1005-024C 50.3936 1ML Scan 4533
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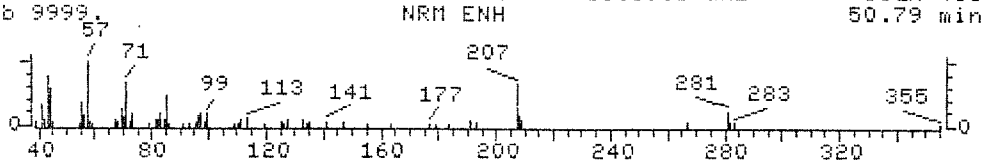

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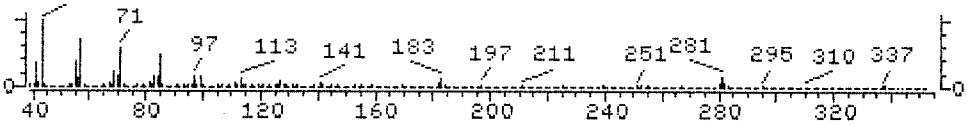

File >BIGDB Eicosane, 9-octyl- (8CI) Scan 32162
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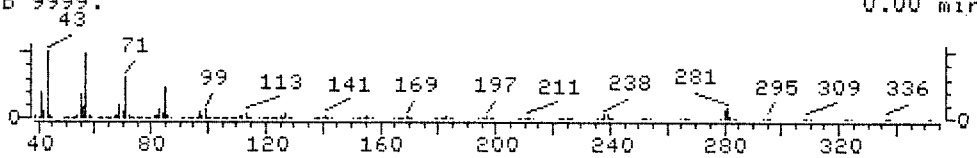

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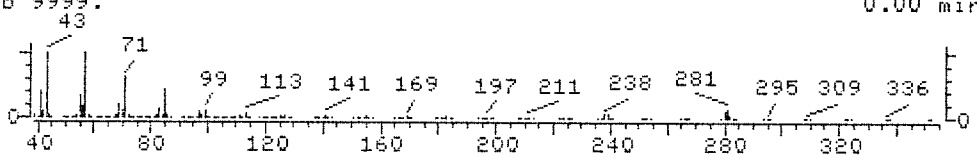


1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

2F

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 2F

Sample wt/vol: 50.1 (g/mL) g Lab File ID: >V1409

Level: (low/med) low Date Received: 10/12/94

% Moisture: 18 decanted:(Y/N) N Date Extracted: 10/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/15/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	37	U
218-01-9	Chrysene	37	U
205-99-2	Benzo(b)fluoranthene	37	U
7-08-9	Benzo(k)fluoranthene	37	U
50-32-8	Benzo(a)pyrene	37	U
193-39-5	Indeno(1,2,3-cd)pyrene	37	U
53-70-3	Dibenz(a,h)anthracene	37	U

Operator ID: ANDY
Output File: ^V1409::D2
Data File: >V1409::A4
Name: E1012-03
Misc: 2F 50.102G 1ML

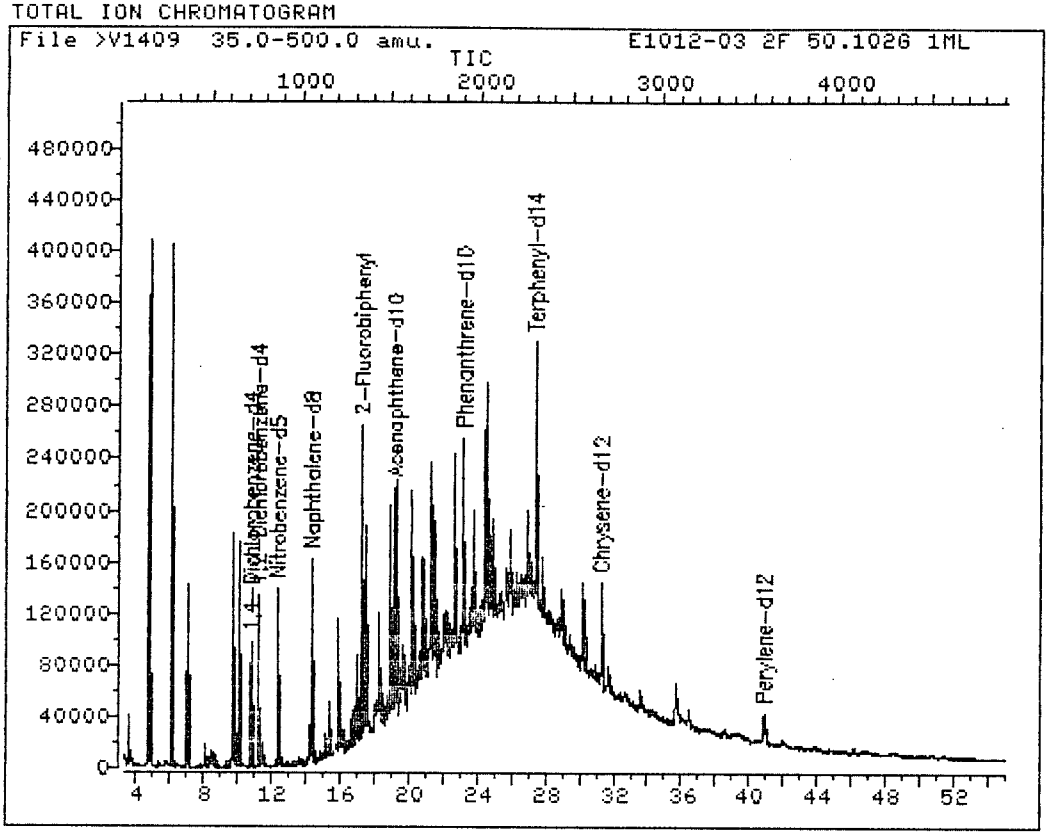
Quant Rev: 7
Quant Time: 941017 09:48
Injected at: 941015 01:08
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL#10

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941014 17:45

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	10.74	152.0	44301	20.00	UG/ML	62
5)	1,2-Dichlorobenzene-d4	11.17	152.0	60132	33.91	UG/ML	56
17)	*Naphthalene-d8	14.31	136.0	172137	20.00	UG/ML	96
18)	Nitrobenzene-d5	12.30	82.0	105133	31.76	UG/ML	52
31)	*Acenaphthene-d10	19.11	164.0	110600	20.00	UG/ML	96
36)	2-Fluorobiphenyl	17.23	172.0	207355	31.38	UG/ML	97
51)	*Phenanthrene-d10	23.15	188.0	184854	20.00	UG/ML	90
63)	*Chrysene-d12	31.22	240.0	125375	20.00	UG/ML	98
65)	Terphenyl-d14	27.33	244.0	244075	33.83	UG/ML	77
71)	*Perylene-d12	40.84	264.0	78882	20.00	UG/ML	94

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V1409::A4 Quant Output File: ^V1409::D2
Name: E1012-03 Instrument ID: MACH-2
Misc: 2F 50.102G 1ML BTL#10

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941014 17:45

Operator ID: ANDY
Quant Time : 941017 09:48
Injected at: 941015 01:08

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

3A

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 3A

Sample wt/vol: 51.0 (g/mL) g Lab File ID: >V1410

Level: (low/med) low Date Received: 10/12/94

% Moisture: 22 decanted:(Y/N) N Date Extracted: 10/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/15/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	38	U
218-01-9	Chrysene	38	U
205-99-2	Benzo(b)fluoranthene	38	U
7-08-9	Benzo(k)fluoranthene	38	U
0-32-8	Benzo(a)pyrene	38	U
193-39-5	Indeno(1,2,3-cd)pyrene	38	U
53-70-3	Dibenz(a,h)anthracene	38	U

0390

Operator ID: ANDY
Output File: ^V1410::D2
Data File: >V1410::A4
Name: E1012-03
Misc: 3A 50.953G 1ML

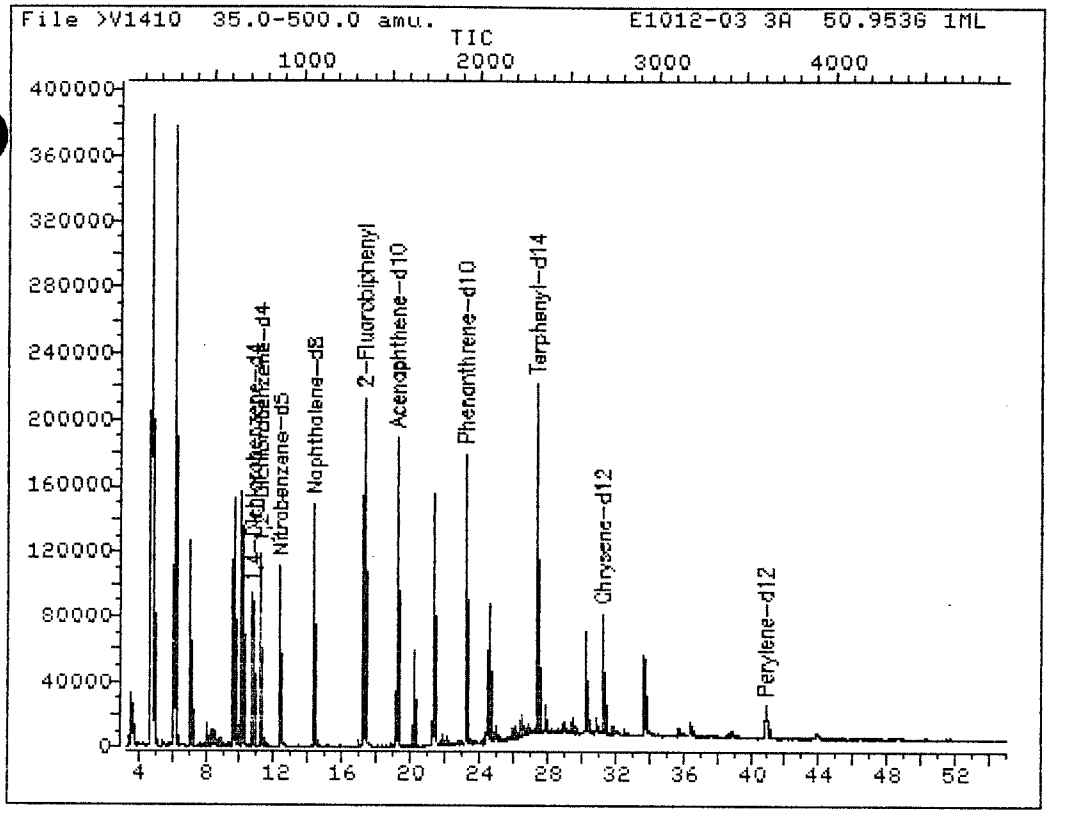
Quant Rev: 7
Quant Time: 941017 09:53
Injected at: 941015 02:09
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL#11

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941014 17:45

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	10.73	152.0	43970	20.00	UG/ML	63
5)	1,2-Dichlorobenzene-d4	11.18	152.0	53794	30.56	UG/ML	54
17)	*Naphthalene-d8	14.31	136.0	175682	20.00	UG/ML	97
18)	Nitrobenzene-d5	12.29	82.0	90574	26.81	UG/ML	52
31)	*Acenaphthene-d10	19.12	164.0	111401	20.00	UG/ML	96
36)	2-Fluorobiphenyl	17.23	172.0	189688	28.50	UG/ML	97
51)	*Phenanthrene-d10	23.14	188.0	189678	20.00	UG/ML	88
63)	*Chrysene-d12	31.21	240.0	114070	20.00	UG/ML	97
65)	Terphenyl-d14	27.33	244.0	210303	32.03	UG/ML	79
71)	*Perylene-d12	40.82	264.0	69275	20.00	UG/ML	93

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V1410::A4 Quant Output File: ^V1410::D2
Name: E1012-03 Instrument ID: MACH-2
Misc: 3A 50.953G 1ML BTL#11

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941014 17:45

Operator ID: ANDY
Quant Time : 941017 09:53
Injected at: 941015 02:09

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

3B

Lab Name: New England Testing Lab

Contract: G+H RD/RA

Lab Code: RI010

Case No.:

SAS No.:

SDG No.: NETL19-1

Matrix: (soil/water) soil

Lab Sample ID: 3B

Sample wt/vol: 50.5 (g/mL) g

Lab File ID: >V1411

Level: (low/med) low

Date Received: 10/12/94

% Moisture: 23

decanted:(Y/N) N

Date Extracted: 10/13/94

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 10/15/94

Injection Volume: 2 (uL)

Dilution Factor: 1X

GPC Cleanup: (Y/N) N

pH: 5.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	39	U
218-01-9	Chrysene	39	U
205-99-2	Benzo(b)fluoranthene	39	U
207-08-9	Benzo(k)fluoranthene	39	U
50-32-8	Benzo(a)pyrene	39	U
193-39-5	Indeno(1,2,3-cd)pyrene	39	U
53-70-3	Dibenz(a,h)anthracene	39	U

0393

Operator ID: ANDY
Output File: ^V1411::D2
Data File: >V1411::A4
Name: E1012-03
Misc: 3B 50.464G 1ML

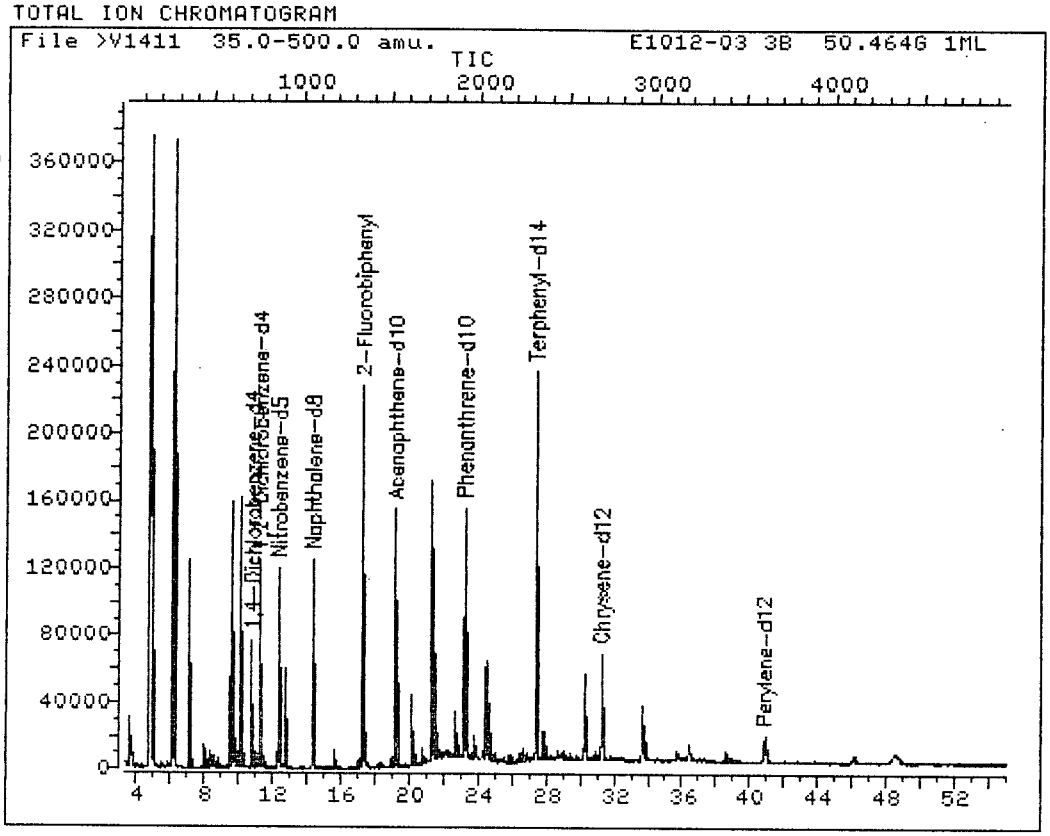
Quant Rev: 7
Quant Time: 941017 09:57
Injected at: 941015 03:10
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL#12

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941014 17:45

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	10.73	152.0	36800	20.00	UG/ML	63
5)	1,2-Dichlorobenzene-d4	11.18	152.0	55709	37.82	UG/ML	54
17)	*Naphthalene-d8	14.31	136.0	142948	20.00	UG/ML	97
18)	Nitrobenzene-d5	12.29	82.0	96224	35.01	UG/ML	54
31)	*Acenaphthene-d10	19.11	164.0	94204	20.00	UG/ML	96
36)	2-Fluorobiphenyl	17.23	172.0	201450	35.79	UG/ML	97
51)	*Phenanthrene-d10	23.14	188.0	160807	20.00	UG/ML	88
63)	*Chrysene-d12	31.20	240.0	98339	20.00	UG/ML	97
65)	Terphenyl-d14	27.32	244.0	243791	43.07	UG/ML	78
71)	*Perylene-d12	40.82	264.0	56506	20.00	UG/ML	93

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V1411::A4 Quant Output File: ^V1411::D2
Name: E1012-03 Instrument ID: MACH-2
Misc: 3B 50.464G 1ML BTL#12

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941014 17:45

Operator ID: ANDY
Quant Time : 941017 09:57
Injected at: 941015 03:10

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5A

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 5A

Sample wt/vol: 50.5 (g/mL) g Lab File ID: >V1706

Level: (low/med) low Date Received: 10/12/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 10/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/17/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	39	U
218-01-9	Chrysene	39	U
205-99-2	Benzo(b)fluoranthene	39	U
207-08-9	Benzo(k)fluoranthene	39	U
50-32-8	Benzo(a)pyrene	39	U
193-39-5	Indeno(1,2,3-cd)pyrene	39	U
53-70-3	Dibenz(a,h)anthracene	39	U

Operator ID: ANDY
Output File: ^V1706::D2
Data File: >V1706::A4
Name: RETEC E1012-03
Misc: 5A 50.167G 1ML

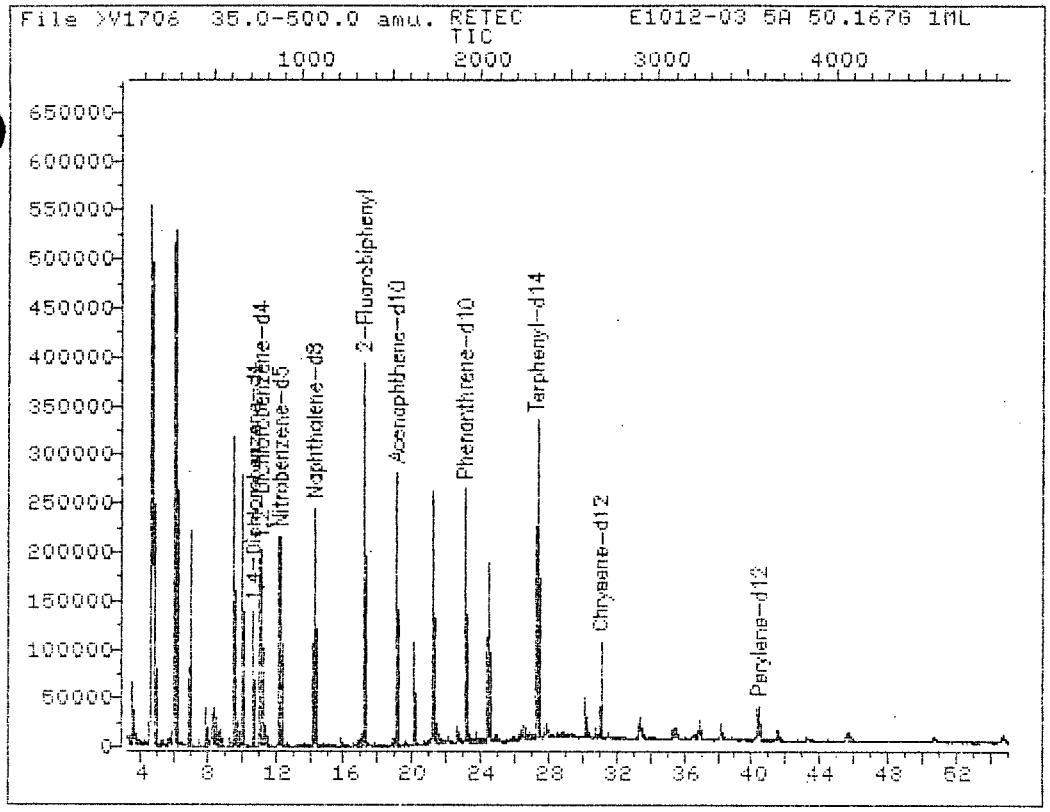
Quant Rev: 7
Quant Time: 941018 08:11
Injected at: 941017 18:39
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 7

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941014 17:45

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	10.63	152.0	65889	20.00	UG/ML	66
5)	1,2-Dichlorobenzene-d4	11.08	152.0	93489	35.44	UG/ML	57
17)	*Naphthalene-d8	14.21	136.0	248392	20.00	UG/ML	98
18)	Nitrobenzene-d5	12.19	82.0	160821	33.67	UG/ML	52
31)	*Acenaphthene-d10	19.01	164.0	153498	20.00	UG/ML	97
36)	2-Fluorobiphenyl	17.13	172.0	297714	32.46	UG/ML	97
51)	*Phenanthrene-d10	23.02	188.0	258208	20.00	UG/ML	89
63)	*Chrysene-d12	31.00	240.0	133276	20.00	UG/ML	98
65)	Terphenyl-d14	27.20	244.0	312546	40.75	UG/ML	80
71)	*Perylene-d12	40.38	264.0	103973	20.00	UG/ML	94

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V1706::A4 Quant Output File: ^V1706::D2
Name: RETEC E1012-03 Instrument ID: MACH-2
Misc: 5A 50.167G 1ML BTL# 7

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941014 17:45

Operator ID: ANDY
Quant Time : 941018 08:11
Injected at: 941017 18:39

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

5B

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Matrix: (soil/water) soil Lab Sample ID: 5B

Sample wt/vol: 50.2 (g/mL) g Lab File ID: >V1707

Level: (low/med) low Date Received: 10/12/94

% Moisture: 20 decanted:(Y/N) N Date Extracted: 10/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/17/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	37	U
218-01-9	Chrysene	37	U
205-99-2	Benzo(b)fluoranthene	37	U
207-08-9	Benzo(k)fluoranthene	37	U
50-32-8	Benzo(a)pyrene	37	U
193-39-5	Indeno(1,2,3-cd)pyrene	37	U
53-70-3	Dibenz(a,h)anthracene	37	U

Operator ID: ANDY
Output File: ^V1707::D2
Data File: >V1707::A4
Name: RETEC E1012-03
Misc: 5B 50.178G 1ML

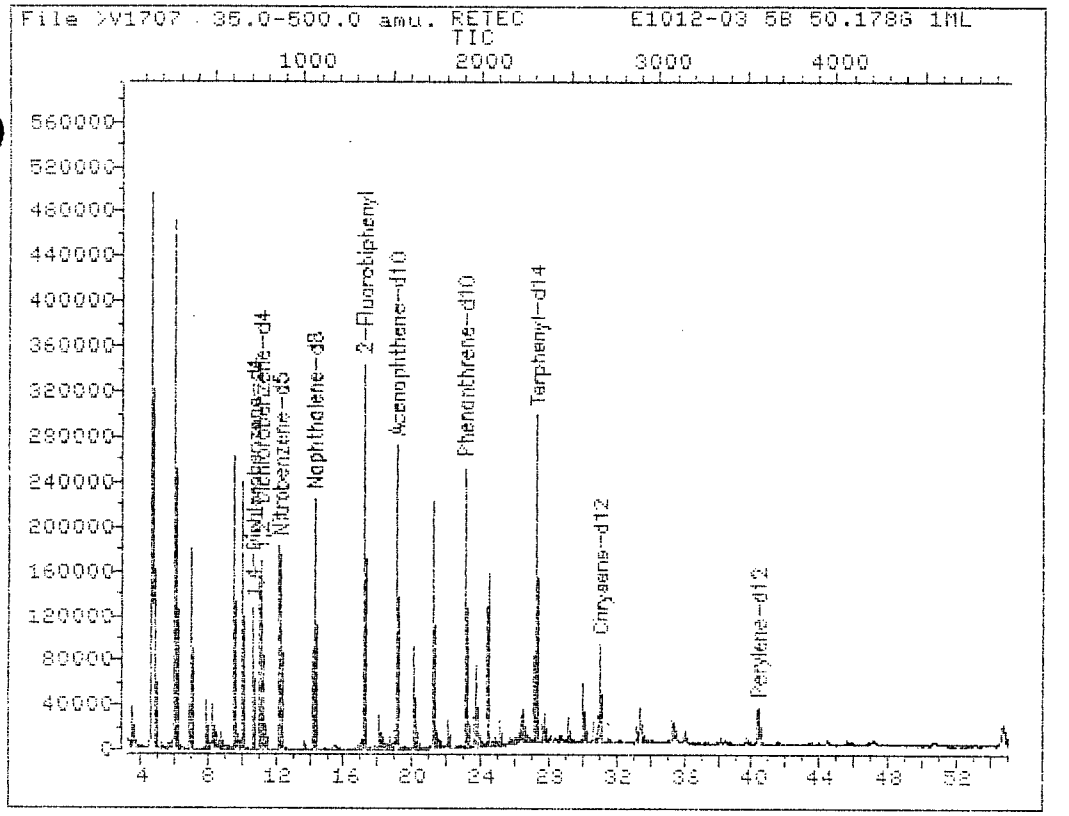
Quant Rev: 7
Quant Time: 941018 08:31
Injected at: 941017 19:40
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 8

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941014 17:45

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	10.63	152.0	60755	20.00	UG/ML	65
5)	1,2-Dichlorobenzene-d4	11.08	152.0	76381	31.41	UG/ML	54
17)	*Naphthalene-d8	14.21	136.0	230250	20.00	UG/ML	97
18)	Nitrobenzene-d5	12.19	82.0	133276	30.10	UG/ML	54
31)	*Acenaphthene-d10	19.01	164.0	143837	20.00	UG/ML	97
36)	2-Fluorobiphenyl	17.13	172.0	254512	29.61	UG/ML	96
51)	*Phenanthrene-d10	23.02	188.0	236711	20.00	UG/ML	90
63)	*Chrysene-d12	30.99	240.0	124146	20.00	UG/ML	97
65)	Terphenyl-d14	27.21	244.0	267418	37.43	UG/ML	82
71)	*Perylene-d12	40.36	264.0	100025	20.00	UG/ML	93

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V1707::A4 Quant Output File: ^V1707::D2
Name: RETEC E1012-03 Instrument ID: MACH-2
Misc: 5B 50.178G 1ML BTL# 8

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941014 17:45

Operator ID: ANDY
Quant Time : 941018 08:31
Injected at: 941017 19:40

STANDARDS DATA

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Instrument ID: MACH2 Calibration Date(s): 09/05/94 09/05/94

Calibration Times: 1150 1641

LAB FILE ID: RRF20 = >U0303 RRF50 = >U0302

RRF80 = >U0304 RRF120= >U0305 RRF160= >U0306

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Phenol	1.869	1.641	1.557	1.378	1.278	1.544	15.0
bis(2-Chloroethyl)ether	1.529	1.293	1.194	1.148	1.153	1.263	12.6
2-Chlorophenol	1.382	1.219	1.142	1.001	0.915	1.132	16.2
1,3-Dichlorobenzene	1.529	1.352	1.280	1.158	1.086	1.281	13.5
1,4-Dichlorobenzene	1.556	1.366	1.274	1.152	1.046	1.279	15.4
1,2-Dichlorobenzene	1.478	1.282	1.172	1.017	0.923	1.174	18.7
2-Methylphenol	1.343	1.178	1.101	0.973	0.903	1.099	15.8
2,2'-oxybis(1-Chloropropane)	2.209	2.108	2.076	1.955	1.897	2.049	6.1
4-Methylphenol	1.476	1.297	1.230	1.140	1.079	1.245	12.4
N-Nitroso-di-n-propylamine	1.204	1.074	1.054	0.979	0.964	1.055	9.1
[illegible]achloroethane	1.058	1.030	0.929	0.791	0.708	0.903	16.7
[illegible]obenzene	0.428	0.384	0.362	0.332	0.317	0.365	12.1
Isophorone	0.863	0.754	0.704	0.627	0.611	0.712	14.4
2-Nitrophenol	0.202	0.235	0.244	0.219	0.178	0.216	12.4
2,4-Dimethylphenol	0.345	0.295	0.261	0.224	0.228	0.270	18.7
bis(2-Chloroethoxy)methane	0.554	0.477	0.440	0.365	0.347	0.437	19.4
2,4-Dichlorophenol	0.318	0.281	0.260	0.226	0.213	0.260	16.2
1,2,4-Trichlorobenzene	0.332	0.291	0.262	0.231	0.215	0.266	17.6
Naphthalene	1.110	0.932	0.830	0.703	0.634	0.842	22.4
4-Chloroaniline	0.394	0.247	0.185	0.151	0.173	0.230	42.8
Hexachlorobutadiene	0.178	0.158	0.146	0.131	0.122	0.147	15.2
4-Chloro-3-methylphenol	0.373	0.330	0.311	0.277	0.266	0.311	13.8
2-Methylnaphthalene	0.698	0.594	0.522	0.437	0.401	0.530	22.6
Hexachlorocyclopentadiene	0.164	0.203	0.203	0.211	0.193	0.195	9.5
2,4,6-Trichlorophenol	0.371	0.348	0.320	0.298	0.265	0.320	12.9
2,4,5-Trichlorophenol	0.382	0.351	0.326	0.302	0.263	0.325	14.1
2-Chloronaphthalene	1.146	1.051	0.956	0.885	0.805	0.968	13.9
2-Nitroaniline	0.426	0.406	0.404	0.392	0.365	0.399	5.6
Dimethylphthalate	1.343	1.185	1.101	1.013	0.926	1.114	14.4
Acenaphthylene	1.720	1.500	1.367	1.226	1.062	1.375	18.4
2,6-Dinitrotoluene	0.313	0.310	0.301	0.289	0.268	0.296	6.3
3-Nitroaniline	0.302	0.183	0.094	0.085	0.071	0.147	66.2
Acenaphthene	1.242	1.019	0.878	0.746	0.619	0.901	26.9
2,4-Dinitrophenol	0.032	0.085	0.104	0.113	0.107	0.088	37.5
4-Nitrophenol	0.095	0.115	0.116	0.114	0.112	0.110	8.0
Dibenzofuran	1.631	1.421	1.311	1.165	1.010	1.307	18.2
2,4-Dinitrotoluene	0.394	0.393	0.352	0.297	0.248	0.337	18.8

[illegible]mpounds with required minimum RRF and maximum %RSD values.

[illegible]ll other compounds must meet a minimum RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Instrument ID: MACH2 Calibration Date(s): 09/05/94 09/05/94

Calibration Times: 1150 1641

LAB FILE ID: RRF20 = >U0303 RRF50 = >U0302

RRF80 = >U0304 RRF120= >U0305 RRF160= >U0306

COMPOUND	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Diethylphthalate	1.378	1.242	1.161	1.033	0.922	1.147	15.5 *
4-chlorophenyl-phenylether	0.579	0.531	0.481	0.434	0.380	0.481	16.3 *
Fluorene	1.135	1.096	0.960	0.836	0.723	0.950	18.2 *
4-Nitroaniline	0.272	0.193	0.168	0.155	0.124	0.182	30.6
4,6-Dinitro-2-methylphenol	0.060	0.096	0.106	0.111	0.112	0.097	22.5
N-Nitrosodiphenylamine (1)	0.627	0.535	0.450	0.380	0.296	0.457	28.2
4-Bromophenyl-phenylether	0.249	0.223	0.201	0.190	0.172	0.207	14.4 *
Hexachlorobenzene	0.295	0.261	0.236	0.221	0.203	0.243	14.7 *
Pentachlorophenol	0.110	0.149	0.150	0.150	0.148	0.141	12.5 *
enanthrene	1.276	1.102	0.987	0.871	0.790	1.005	19.1 *
thracene	1.238	1.076	0.963	0.857	0.763	0.979	19.0 *
Carbazole	1.122	1.041	1.017	0.831	0.761	0.954	15.9
Di-n-butylphthalate	1.679	1.499	1.375	1.137	0.991	1.336	20.6
Fluoranthene	1.124	1.026	0.977	0.848	0.819	0.959	13.2 *
Pyrene	1.992	1.785	1.685	1.549	1.436	1.690	12.7 *
Butylbenzylphthalate	0.970	0.905	0.848	0.864	0.824	0.882	6.5
3,3'-Dichlorobenzidine	0.215	0.134	0.105	0.105	0.111	0.134	35.1
Benzo(a)anthracene	1.188	1.138	1.056	1.009	1.010	1.080	7.4 *
Chrysene	1.026	0.934	0.940	0.899	0.897	0.939	5.6 *
bis(2-Ethylhexyl)phthalate	1.251	1.115	1.133	1.067	1.075	1.128	6.6
Di-n-octylphthalate	3.064	2.915	2.988	2.664	2.755	2.877	5.7
Benzo(b)fluoranthene	1.382	1.290	1.281	1.214	1.181	1.270	6.1 *
Benzo(k)fluoranthene	1.325	1.277	1.253	1.176	1.116	1.229	6.8 *
Benzo(a)pyrene	1.061	1.001	0.992	0.947	0.905	0.981	6.0 *
Indeno(1,2,3-cd)pyrene	0.613	0.593	0.567	0.626	0.583	0.596	3.9 *
Dibenz(a,h)anthracene	0.591	0.565	0.557	0.588	0.555	0.571	3.0 *
Benzo(g,h,i)perylene	0.572	0.538	0.503	0.575	0.529	0.543	5.6 *
Nitrobenzene-d5	0.395	0.367	0.351	0.326	0.324	0.353	8.4
2-Fluorobiphenyl	1.059	1.039	0.926	0.820	0.707	0.910	16.3 *
Terphenyl-d14	1.222	1.085	1.025	0.953	0.885	1.034	12.5 *
Phenol-d5	1.787	1.561	1.488	1.360	1.295	1.498	12.8 *
2-Fluorophenol	1.222	1.113	1.100	1.033	1.008	1.095	7.6 *
2,4,6-Tribromophenol	0.158	0.147	0.140	0.134	0.125	0.141	8.9
2-Chlorophenol-d4	1.406	1.303	1.236	1.105	1.043	1.219	12.0 *
1,2-Dichlorobenzene-d4	1.090	0.986	0.895	0.782	0.709	0.892	17.2 *

(1) Cannot be separated from Diphenylamine

* Compounds with required minimum RRF and maximum %RSD values.

All other compounds must meet a minimum RRF of 0.010.

Operator ID: ANDY
Output File: ^U0303::A3
Data File: >U0303::A0
Name: 9/03/94
Misc: SSTD20 10 ug/mL

Quant Rev: 7
Quant Time: 940906 08:20
Injected at: 940905 13:03
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 4

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940905 11:50

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.73	152.0	61902	20.00	UG/ML	66
2)	2-Fluorophenol	7.93	112.0	37823	10.98	UG/ML	96
3)	Phenol-d5	10.51	99.0	55299	11.44	UG/ML	84
4)	2-Chlorophenol-d4	11.08	132.0	43523	10.79	UG/ML	98
5)	1,2-Dichlorobenzene-d4	12.17	152.0	33737M	11.05	UG/ML	60
6)	Phenol	10.55	94.0	57847	11.39	UG/ML	68
7)	bis(2-Chloroethyl)ether	10.90	93.0	47316	11.82	UG/ML	91
8)	2-Chlorophenol	11.12	128.0	42767	11.34	UG/ML	62
9)	1,3-Dichlorobenzene	11.58	146.0	47228	11.28	UG/ML	97
10)	1,4-Dichlorobenzene	11.78	146.0	48163	11.40	UG/ML	98
11)	1,2-Dichlorobenzene	12.21	146.0	45750	11.53	UG/ML	97
12)	2-Methylphenol	12.28	108.0	41580	11.41	UG/ML	99
13)	2,2'-oxybis(1-Chloropropane)	12.41	45.0	68367	10.48	UG/ML	97
14)	4-Methylphenol	12.69	108.0	45695	11.38	UG/ML	98
15)	N-Nitroso-Di-n-propylamine	12.78	70.0	37367	11.24	UG/ML	84
16)	Hexachloroethane	13.18	117.0	32750M	10.27	UG/ML	90
17)	*Naphthalene-d8	15.31	136.0	242436	20.00	UG/ML	97
18)	Nitrobenzene-d5	13.27	82.0	47920	10.77	UG/ML	59
19)	Nitrobenzene	13.32	77.0	51918	11.14	UG/ML	93
20)	Isophorone	13.96	82.0	104580	11.44	UG/ML	82
21)	2-Nitrophenol	14.20	139.0	24443M	8.57	UG/ML	89
22)	2,4-Dimethylphenol	14.20	107.0	41793M	11.68	UG/ML	88
23)	bis(2-Chloroethoxy)methane	14.49	93.0	67171	11.61	UG/ML	97
24)	2,4-Dichlorophenol	14.85	162.0	38519	11.32	UG/ML	93
25)	1,2,4-Trichlorobenzene	15.12	180.0	40224	11.39	UG/ML	92
26)	Naphthalene	15.37	128.0	134513	11.91	UG/ML	97
27)	4-Chloroaniline	15.44	127.0	47735	15.94	UG/ML	99
28)	Hexachlorobutadiene	15.65	225.0	21578	11.25	UG/ML	99
29)	4-Chloro-3-methylphenol	16.68	107.0	45213	11.30	UG/ML	97
30)	2-Methylnaphthalene	17.26	142.0	84577	11.74	UG/ML	96
31)	*Acenaphthene-d10	20.15	164.0	146535	20.00	UG/ML	96
32)	Hexachlorocyclopentadiene	17.67	237.0	12002	8.07	UG/ML	98
33)	2,4,6-Trichlorophenol	17.98	196.0	27153	10.66	UG/ML	92
34)	2,4,5-Trichlorophenol	18.08	196.0	28016	10.89	UG/ML	95
35)	2-Chloronaphthalene	18.63	162.0	83985M	12.51	UG/ML	97
36)	2-Fluorobiphenyl	18.22	172.0	77563M	10.19	UG/ML	95
37)	2-Nitroaniline	18.83	65.0	31188	10.48	UG/ML	77
38)	Dimethylphthalate	19.25	163.0	98429	11.34	UG/ML	99
39)	Acenaphthylene	19.78	152.0	126002	11.46	UG/ML	95
40)	2,6-Dinitrotoluene	19.45	165.0	22941	10.09	UG/ML	96
41)	3-Nitroaniline	19.94	138.0	22145	16.49	UG/ML	92
42)	Acenaphthene	20.24	153.0	90995	12.19	UG/ML	96
43)	2,4-Dinitrophenol	20.22	184.0	2346M	3.77	UG/ML	

Operator ID: ANDY
Output File: ^U0303::A3
Data File: >U0303::A0
Name: 9/03/94
Misc: SSTD20 10 ug/mL

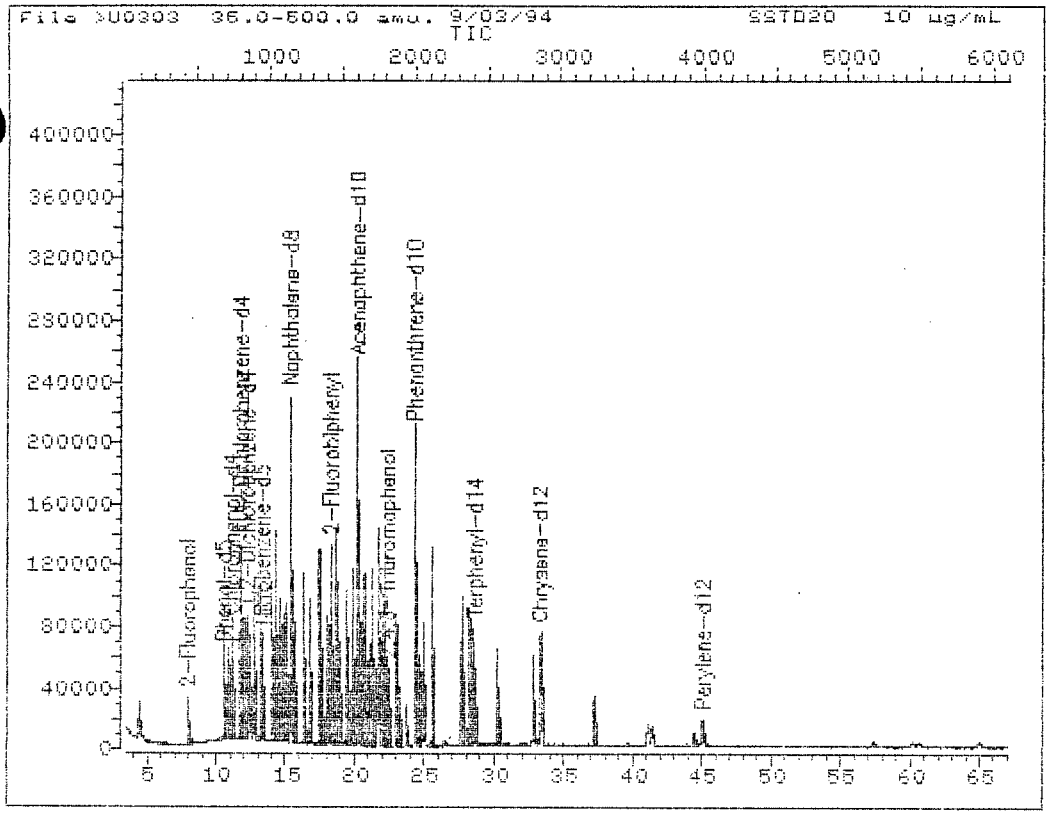
Quant Rev: 7
Quant Time: 940906 08:20
Injected at: 940905 13:03
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 4

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940905 11:50

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	4-Nitrophenol	20.28	109.0	6932M	8.26	UG/ML	
45)	Dibenzofuran	20.70	168.0	119487	11.48	UG/ML	89
46)	2,4-Dinitrotoluene	20.55	165.0	28882	10.04	UG/ML	73
47)	Diethylphthalate	21.14	149.0	100934	11.09	UG/ML	92
48)	4-Chlorophenyl-phenylether	21.56	204.0	42398	10.90	UG/ML	80
49)	Fluorene	21.65	166.0	83181M	10.36	UG/ML	99
50)	4-Nitroaniline	21.62	138.0	19901M	14.09	UG/ML	67
51)	*Phenanthrene-d10	24.22	188.0	195215	20.00	UG/ML	97
52)	4,6-Dinitro-2-methylphenol	21.67	198.0	5811M	6.21	UG/ML	97
53)	N-Nitrosodiphenylamine	21.86	169.0	61203	11.73	UG/ML	96
54)	2,4,6-Tribromophenol	22.28	330.0	15413	10.75	UG/ML	97
55)	4-Bromophenyl-phenylether	22.91	248.0	24300	11.15	UG/ML	87
56)	Hexachlorobenzene	23.14	284.0	28711	11.28	UG/ML	91
57)	Pentachlorophenol	23.63	266.0	10701	7.36	UG/ML	98
58)	Phenanthrene	24.29	178.0	124590	11.59	UG/ML	98
59)	Anthracene	24.43	178.0	120837	11.51	UG/ML	98
60)	Carbozole	24.80	167.0	109544	10.78	UG/ML	95
61)	Di-n-butylphthalate	25.52	149.0	163844	11.20	UG/ML	96
62)	Fluoranthene	27.54	202.0	109673	10.95	UG/ML	96
63)	*Chrysene-d12	33.23	240.0	108329	20.00	UG/ML	92
64)	Pyrene	28.25	202.0	107906	11.16	UG/ML	89
65)	Terphenyl-d14	28.53	244.0	66166	11.26	UG/ML	92
66)	Butylbenzylphthalate	30.13	149.0	52542	10.72	UG/ML	99
67)	3,3'-Dichlorobenzidine	32.83	252.0	11645	16.01	UG/ML	97
68)	Benzo(a)anthracene	33.15	228.0	64361	10.45	UG/ML	96
69)	Chrysene	33.37	228.0	55586	10.99	UG/ML	95
70)	bis(2-Ethylhexyl)phthalate	32.72	149.0	67752	11.22	UG/ML	96
71)	*Perylene-d12	45.02	264.0	58924	20.00	UG/ML	95
72)	Di-n-octylphthalate	37.15	149.0	90264	10.51	UG/ML	100
73)	Benzo(b)fluoranthene	41.05	252.0	40715	10.72	UG/ML	90
74)	Benzo(k)fluoranthene	41.30	252.0	39045M	10.38	UG/ML	89
75)	Benzo(a)pyrene	44.40	252.0	31252	10.59	UG/ML	94
76)	Indeno(1,2,3-cd)pyrene	60.17	276.0	18063	10.35	UG/ML	75
77)	Dibenz(a,h)anthracene	60.66	278.0	17416	10.46	UG/ML	84
78)	Benzo(g,h,i)perylene	64.91	276.0	16850	10.62	UG/ML	77

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >U0303
Name: 9/03/94
Misc: SSTD20 10 ug/mL

Quant Output File: ^U0303::A3
Instrument ID: MACH-2
BTL# 4

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07

Last Qcal Time: 940905 11:50

Operator ID: ANDY
Quant Time : 940906 08:20
Injected at: 940905 13:03

Operator ID: ANDY Quant Rev: 7 Quant Time: 940905 12:58
Output File: ^U0302::A3 Injected at: 940905 11:50
Data File: >U0302::A0 Dilution Factor: 1.00000
Name: 9/03/94 Instrument ID: MACH-2
Misc: SSTD50 25 ug/mL BTL# 3

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940903 09:25

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.74	152.0	63498	20.00	UG/ML	67
2)	2-Fluorophenol	7.94	112.0	88315	24.62	UG/ML	98
3)	Phenol-d5	10.52	99.0	123908	24.96	UG/ML	85
4)	2-Chlorophenol-d4	11.08	132.0	103412	25.67	UG/ML	98
5)	1,2-Dichlorobenzene-d4	12.18	152.0	78294	26.50	UG/ML	57
6)	Phenol	10.56	94.0	130271	25.26	UG/ML	67
7)	bis(2-Chloroethyl)ether	10.91	93.0	102641	24.46	UG/ML	90
8)	2-Chlorophenol	11.13	128.0	96757	24.87	UG/ML	61
9)	1,3-Dichlorobenzene	11.58	146.0	107333	24.51	UG/ML	98
10)	1,4-Dichlorobenzene	11.79	146.0	108389	24.66	UG/ML	98
11)	1,2-Dichlorobenzene	12.23	146.0	101759	24.71	UG/ML	96
12)	2-Methylphenol	12.29	108.0	93463	25.34	UG/ML	98
13)	2,2'-oxybis(1-Chloropropane)	12.42	45.0	167322	24.95	UG/ML	97
14)	4-Methylphenol	12.70	108.0	102983	25.66	UG/ML	99
15)	N-Nitroso-Di-n-propylamine	12.79	70.0	85285	24.96	UG/ML	85
16)	Hexachloroethane	13.19	117.0	81769	24.45	UG/ML	89
17)	*Naphthalene-d8	15.31	136.0	251120	20.00	UG/ML	97
18)	Nitrobenzene-d5	13.28	82.0	115172	23.91	UG/ML	56
19)	Nitrobenzene	13.33	77.0	120674	24.22	UG/ML	95
20)	Isophorone	13.97	82.0	236669	25.25	UG/ML	82
21)	2-Nitrophenol	14.21	139.0	73872	24.55	UG/ML	85
22)	2,4-Dimethylphenol	14.21	107.0	92624	24.58	UG/ML	91
23)	bis(2-Chloroethoxy)methane	14.51	93.0	149857	24.78	UG/ML	97
24)	2,4-Dichlorophenol	14.85	162.0	88110	24.17	UG/ML	92
25)	1,2,4-Trichlorobenzene	15.12	180.0	91462	23.03	UG/ML	92
26)	Naphthalene	15.37	128.0	292552	24.52	UG/ML	97
27)	4-Chloroaniline	15.47	127.0	77559	23.30	UG/ML	97
28)	Hexachlorobutadiene	15.65	225.0	49681	21.55	UG/ML	98
29)	4-Chloro-3-methylphenol	16.69	107.0	103587	25.41	UG/ML	97
30)	2-Methylnaphthalene	17.28	142.0	186499	25.18	UG/ML	95
31)	*Acenaphthene-d10	20.15	164.0	155680	20.00	UG/ML	96
32)	Hexachlorocyclopentadiene	17.67	237.0	39485	13.54	UG/ML	98
33)	2,4,6-Trichlorophenol	18.00	196.0	67657	22.90	UG/ML	93
34)	2,4,5-Trichlorophenol	18.09	196.0	68318	22.42	UG/ML	93
35)	2-Chloronaphthalene	18.63	162.0	204492M	26.18	UG/ML	97
36)	2-Fluorobiphenyl	18.23	172.0	202219	23.30	UG/ML	94
37)	2-Nitroaniline	18.84	65.0	79071	25.44	UG/ML	77
38)	Dimethylphthalate	19.26	163.0	230572	24.87	UG/ML	99
39)	Acenaphthylene	19.79	152.0	291958	24.59	UG/ML	94
40)	2,6-Dinitrotoluene	19.47	165.0	60411	24.79	UG/ML	93
41)	3-Nitroaniline	19.96	138.0	35675	30.13	UG/ML	89
42)	Acenaphthene	20.25	153.0	198237	25.32	UG/ML	95
43)	2,4-Dinitrophenol	20.22	184.0	16546M	11.53	UG/ML	

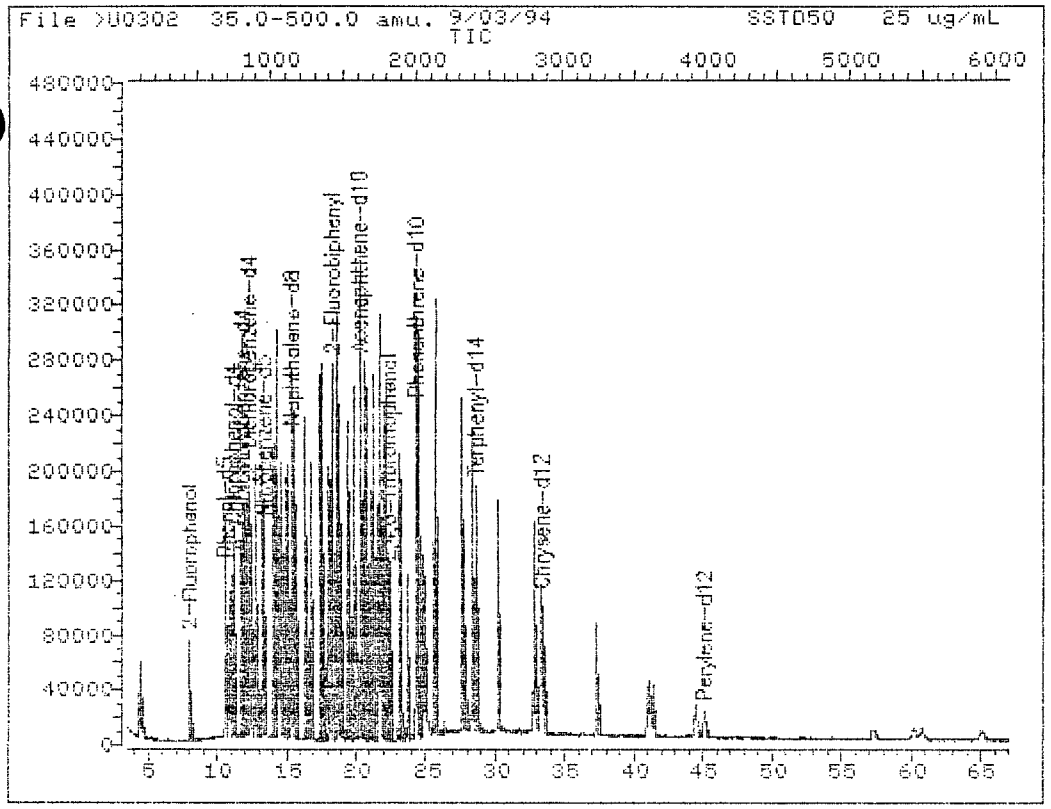
Operator ID: ANDY Quant Rev: 7 Quant Time: 940905 12:58
Output File: ^U0302::A3 Injected at: 940905 11:50
Data File: >U0302::A0 Dilution Factor: 1.00000
Name: 9/03/94 Instrument ID: MACH-2
Misc: SSTD50 25 ug/mL BTL# 3

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940903 09:25

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	4-Nitrophenol	20.28	109.0	22287M	25.97	UG/ML	
45)	Dibenzofuran	20.71	168.0	276477	24.74	UG/ML	89
46)	2,4-Dinitrotoluene	20.56	165.0	76415	26.38	UG/ML	72
47)	Diethylphthalate	21.15	149.0	241671	25.60	UG/ML	93
48)	4-Chlorophenyl-phenylether	21.56	204.0	103338	23.63	UG/ML	76
49)	Fluorene	21.65	166.0	213315	25.55	UG/ML	98
50)	4-Nitroaniline	21.64	138.0	37518	26.79	UG/ML	65
51)	*Phenanthrene-d10	24.23	188.0	224404	20.00	UG/ML	96
52)	4,6-Dinitro-2-methylphenol	21.68	198.0	26883	14.98	UG/ML	91
53)	N-Nitrosodiphenylamine	21.87	169.0	150001	24.56	UG/ML	96
54)	2,4,6-Tribromophenol	22.29	330.0	41200	20.91	UG/ML	98
55)	4-Bromophenyl-phenylether	22.91	248.0	62613	22.04	UG/ML	86
56)	Hexachlorobenzene	23.14	284.0	73135	22.66	UG/ML	87
57)	Pentachlorophenol	23.64	266.0	41763	19.47	UG/ML	98
58)	Phenanthrene	24.30	178.0	309052	24.79	UG/ML	97
59)	Anthracene	24.44	178.0	301736	24.75	UG/ML	98
60)	Carbozole	24.80	167.0	291938	41.22	UG/ML	95
61)	Di-n-butylphthalate	25.52	149.0	420389	25.36	UG/ML	96
62)	Fluoranthene	27.54	202.0	287890	24.31	UG/ML	95
63)	*Chrysene-d12	33.24	240.0	126994	20.00	UG/ML	92
64)	Pyrene	28.26	202.0	283312	28.62	UG/ML	91
65)	Terphenyl-d14	28.53	244.0	172186	27.40	UG/ML	91
66)	Butylbenzylphthalate	30.14	149.0	143604	29.47	UG/ML	99
67)	3,3'-Dichlorobenzidine	32.84	252.0	21321	16.23	UG/ML	96
68)	Benzo(a)anthracene	33.18	228.0	180578	25.96	UG/ML	98
69)	Chrysene	33.39	228.0	148187	23.69	UG/ML	95
70)	bis(2-Ethylhexyl)phthalate	32.73	149.0	176932	28.15	UG/ML	96
71)	*Perylene-d12	45.02	264.0	66563	20.00	UG/ML	94
72)	Di-n-octylphthalate	37.18	149.0	242539	45.05	UG/ML	100
73)	Benzo(b)fluoranthene	41.07	252.0	107303	29.02	UG/ML	90
74)	Benzo(k)fluoranthene	41.34	252.0	106225M	29.45	UG/ML	90
75)	Benzo(a)pyrene	44.43	252.0	83323	26.43	UG/ML	90
76)	Indeno(1,2,3-cd)pyrene	60.18	276.0	49306	19.32	UG/ML	76
77)	Dibenz(a,h)anthracene	60.69	278.0	47031	19.63	UG/ML	83
78)	Benzo(g,h,i)perylene	64.96	276.0	44804	18.00	UG/ML	76

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >U0302 Quant Output File: ^U0302::A3
Name: 9/03/94 Instrument ID: MACH-2
Misc: SSTD50 25 ug/mL BTL# 3

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940903 09:25

Operator ID: ANDY
Quant Time : 940905 12:58
Injected at: 940905 11:50

Operator ID: ANDY Quant Rev: 7 Quant Time: 940906 12:05
Output File: ^U0304::A3 Injected at: 940905 14:16
Data File: >U0304::A0 Dilution Factor: 1.00000
Name: 9/03/94 Instrument ID: MACH-2
Misc: SSTD80 40 ug/mL BTL# 5

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940905 11:50

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.74	152.0	59304	20.00	UG/ML	67
2)	2-Fluorophenol	7.95	112.0	130437	39.54	UG/ML	99
3)	Phenol-d5	10.52	99.0	176544	38.14	UG/ML	85
4)	2-Chlorophenol-d4	11.08	132.0	146647	37.96	UG/ML	97
5)	1,2-Dichlorobenzene-d4	12.17	152.0	106125	36.28	UG/ML	58
6)	Phenol	10.57	94.0	184617	37.93	UG/ML	68
7)	bis(2-Chloroethyl)ether	10.91	93.0	141658	36.94	UG/ML	91
8)	2-Chlorophenol	11.13	128.0	135421	37.46	UG/ML	61
9)	1,3-Dichlorobenzene	11.58	146.0	151794	37.86	UG/ML	98
10)	1,4-Dichlorobenzene	11.79	146.0	151154	37.33	UG/ML	98
11)	1,2-Dichlorobenzene	12.23	146.0	139063	36.58	UG/ML	96
12)	2-Methylphenol	12.29	108.0	130603	37.40	UG/ML	98
13)	2,2'-oxybis(1-Chloropropane)	12.42	45.0	246206	39.39	UG/ML	97
14)	4-Methylphenol	12.72	108.0	145935	37.93	UG/ML	99
15)	N-Nitroso-Di-n-propylamine	12.80	70.0	125062	39.25	UG/ML	86
16)	Hexachloroethane	13.19	117.0	110166	36.06	UG/ML	86
17)	*Naphthalene-d8	15.31	136.0	238523	20.00	UG/ML	97
18)	Nitrobenzene-d5	13.28	82.0	167272	38.23	UG/ML	57
19)	Nitrobenzene	13.34	77.0	172865	37.70	UG/ML	96
20)	Isophorone	13.98	82.0	335605	37.32	UG/ML	83
21)	2-Nitrophenol	14.21	139.0	116597	41.54	UG/ML	82
22)	2,4-Dimethylphenol	14.21	107.0	124638	35.42	UG/ML	93
23)	bis(2-Chloroethoxy)methane	14.51	93.0	210076	36.90	UG/ML	96
24)	2,4-Dichlorophenol	14.85	162.0	124041	37.05	UG/ML	92
25)	1,2,4-Trichlorobenzene	15.12	180.0	125013	35.98	UG/ML	92
26)	Naphthalene	15.38	128.0	395738	35.60	UG/ML	97
27)	4-Chloroaniline	15.48	127.0	88190M	29.93	UG/ML	95
28)	Hexachlorobutadiene	15.65	225.0	69652	36.90	UG/ML	99
29)	4-Chloro-3-methylphenol	16.70	107.0	148195	37.65	UG/ML	95
30)	2-Methylnaphthalene	17.28	142.0	249230	35.17	UG/ML	96
31)	*Acenaphthene-d10	20.16	164.0	146668	20.00	UG/ML	96
32)	Hexachlorocyclopentadiene	17.68	237.0	59407	39.92	UG/ML	99
33)	2,4,6-Trichlorophenol	18.00	196.0	94004	36.87	UG/ML	94
34)	2,4,5-Trichlorophenol	18.09	196.0	95631	37.15	UG/ML	94
35)	2-Chloronaphthalene	18.64	162.0	280316M	41.72	UG/ML	99
36)	2-Fluorobiphenyl	18.23	172.0	271725	35.66	UG/ML	96
37)	2-Nitroaniline	18.86	65.0	118612	39.81	UG/ML	81
38)	Dimethylphthalate	19.26	163.0	322990	37.17	UG/ML	99
39)	Acenaphthylene	19.78	152.0	401065	36.45	UG/ML	96
40)	2,6-Dinitrotoluene	19.47	165.0	88315	38.79	UG/ML	94
41)	3-Nitroaniline	19.97	138.0	27650	20.57	UG/ML	90
42)	Acenaphthene	20.25	153.0	257621	34.49	UG/ML	95
43)	2,4-Dinitrophenol	20.22	184.0	30539M	48.98	UG/ML	

Operator ID: ANDY
Output File: ^U0304::A3
Data File: >U0304::A0
Name: 9/03/94
Misc: SSTD80 40 ug/mL

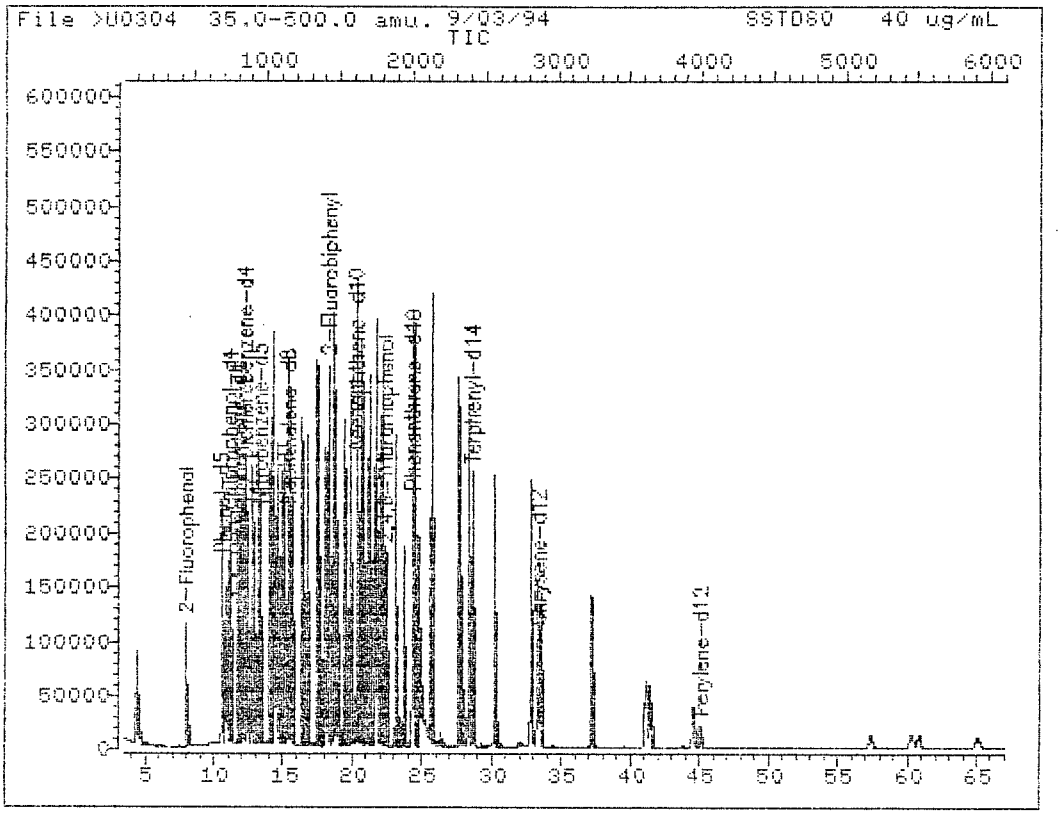
Quant Rev: 7
Quant Time: 940906 12:05
Injected at: 940905 14:16
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 5

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940905 11:50

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	4-Nitrophenol	20.28	109.0	33891M	40.35	UG/ML	
45)	Dibenzofuran	20.71	168.0	384475	36.90	UG/ML	90
46)	2,4-Dinitrotoluene	20.57	165.0	103256	35.86	UG/ML	73
47)	Diethylphthalate	21.15	149.0	340645	37.40	UG/ML	94
48)	4-Chlorophenyl-phenylether	21.57	204.0	141092	36.23	UG/ML	77
49)	Fluorene	21.65	166.0	281565	35.03	UG/ML	99
50)	4-Nitroaniline	21.67	138.0	49262	34.84	UG/ML	69
51)	*Phenanthrene-d10	24.23	188.0	216890	20.00	UG/ML	96
52)	4,6-Dinitro-2-methylphenol	21.68	198.0	45799	44.07	UG/ML	92
53)	N-Nitrosodiphenylamine	21.87	169.0	195013	33.63	UG/ML	96
54)	2,4,6-Tribromophenol	22.29	330.0	60908	38.24	UG/ML	97
55)	4-Bromophenyl-phenylether	22.92	248.0	87101	35.98	UG/ML	87
56)	Hexachlorobenzene	23.14	284.0	102309	36.18	UG/ML	87
57)	Pentachlorophenol	23.63	266.0	65228	40.40	UG/ML	99
58)	Phenanthrene	24.30	178.0	428126	35.83	UG/ML	97
59)	Anthracene	24.44	178.0	417740	35.81	UG/ML	98
60)	Carbozole	24.80	167.0	441060	39.08	UG/ML	96
61)	Di-n-butylphthalate	25.52	149.0	596300	36.69	UG/ML	96
62)	Fluoranthene	27.55	202.0	423743	38.07	UG/ML	92
63)	*Chrysene-d12	33.25	240.0	125124	20.00	UG/ML	92
64)	Pyrene	28.27	202.0	421706	37.77	UG/ML	93
65)	Terphenyl-d14	28.54	244.0	256569	37.81	UG/ML	89
66)	Butylbenzylphthalate	30.14	149.0	212309	37.51	UG/ML	98
67)	3,3'-Dichlorobenzidine	32.85	252.0	26281	31.28	UG/ML	96
68)	Benzo(a)anthracene	33.19	228.0	264156	37.12	UG/ML	98
69)	Chrysene	33.40	228.0	235235	40.28	UG/ML	96
70)	bis(2-Ethylhexyl)phthalate	32.74	149.0	283540	40.66	UG/ML	96
71)	*Perylene-d12	45.03	264.0	68665	20.00	UG/ML	94
72)	Di-n-octylphthalate	37.18	149.0	410280	41.00	UG/ML	100
73)	Benzo(b)fluoranthene	41.11	252.0	175983	39.75	UG/ML	91
74)	Benzo(k)fluoranthene	41.37	252.0	172058M	39.25	UG/ML	91
75)	Benzo(a)pyrene	44.45	252.0	136277	39.64	UG/ML	94
76)	Indeno(1,2,3-cd)pyrene	60.19	276.0	77873	38.28	UG/ML	79
77)	Dibenz(a,h)anthracene	60.73	278.0	76498	39.42	UG/ML	84
78)	Benzo(g,h,i)perylene	65.00	276.0	69031M	37.34	UG/ML	77

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >U0304
Name: 9/03/94
Misc: SSTD80 40 ug/mL

Quant Output File: ^U0304::A3
Instrument ID: MACH-2
BTL# 5

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07

Last Qcal Time: 940905 11:50

Operator ID: ANDY
Quant Time : 940906 12:05
Injected at: 940905 14:16

Operator ID: ANDY Quant Rev: 7 Quant Time: 940906 08:25
Output File: ^U0305::A3 Injected at: 940905 15:28
Data File: >U0305::A0 Dilution Factor: 1.00000
Name: 9/03/94 Instrument ID: MACH-2
Misc: SSTD120 60 ug/mL BTL# 6

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940905 11:50

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.74	152.0	60999	20.00	UG/ML	64
2)	2-Fluorophenol	7.95	112.0	189032	55.70	UG/ML	97
3)	Phenol-d5	10.53	99.0	248945	52.29	UG/ML	86
4)	2-Chlorophenol-d4	11.09	132.0	202299	50.91	UG/ML	96
5)	1,2-Dichlorobenzene-d4	12.18	152.0	143189	47.59	UG/ML	58
6)	Phenol	10.58	94.0	252084	50.36	UG/ML	69
7)	bis(2-Chloroethyl)ether	10.92	93.0	210076	53.26	UG/ML	91
8)	2-Chlorophenol	11.14	128.0	183124	49.25	UG/ML	60
9)	1,3-Dichlorobenzene	11.59	146.0	211912	51.38	UG/ML	97
10)	1,4-Dichlorobenzene	11.79	146.0	210827	50.62	UG/ML	98
11)	1,2-Dichlorobenzene	12.23	146.0	186135	47.60	UG/ML	95
12)	2-Methylphenol	12.30	108.0	177977	49.56	UG/ML	99
13)	2,2'-oxybis(1-Chloropropane)	12.42	45.0	357825	55.65	UG/ML	97
14)	4-Methylphenol	12.74	108.0	208565	52.71	UG/ML	99
15)	N-Nitroso-Di-n-propylamine	12.82	70.0	179075	54.64	UG/ML	88
16)	Hexachloroethane	13.20	117.0	144740	46.07	UG/ML	82
17)	*Naphthalene-d8	15.32	136.0	247542	20.00	UG/ML	96
18)	Nitrobenzene-d5	13.29	82.0	241987	53.29	UG/ML	56
19)	Nitrobenzene	13.35	77.0	246547	51.82	UG/ML	97
20)	Isophorone	13.99	82.0	465410	49.87	UG/ML	83
21)	2-Nitrophenol	14.22	139.0	162748M	55.87	UG/ML	79
22)	2,4-Dimethylphenol	14.23	107.0	166208	45.51	UG/ML	96
23)	bis(2-Chloroethoxy)methane	14.52	93.0	270989	45.86	UG/ML	97
24)	2,4-Dichlorophenol	14.86	162.0	167844	48.31	UG/ML	94
25)	1,2,4-Trichlorobenzene	15.12	180.0	171863	47.66	UG/ML	93
26)	Naphthalene	15.39	128.0	522187M	45.27	UG/ML	98
27)	4-Chloroaniline	15.50	127.0	112279	36.71	UG/ML	90
28)	Hexachlorobutadiene	15.66	225.0	96918	49.48	UG/ML	99
29)	4-Chloro-3-methylphenol	16.71	107.0	205647	50.35	UG/ML	96
30)	2-Methylnaphthalene	17.28	142.0	324680	44.15	UG/ML	97
31)	*Acenaphthene-d10	20.16	164.0	145717M	20.00	UG/ML	96
32)	Hexachlorocyclopentadiene	17.68	237.0	92303	62.44	UG/ML	99
33)	2,4,6-Trichlorophenol	18.00	196.0	130289	51.43	UG/ML	95
34)	2,4,5-Trichlorophenol	18.11	196.0	132175	51.67	UG/ML	93
35)	2-Chloronaphthalene	18.65	162.0	386799M	57.94	UG/ML	95
36)	2-Fluorobiphenyl	18.23	172.0	358445	47.34	UG/ML	96
37)	2-Nitroaniline	18.86	65.0	171503	57.93	UG/ML	81
38)	Dimethylphthalate	19.28	163.0	442743	51.29	UG/ML	99
39)	Acenaphthylene	19.80	152.0	536012	49.04	UG/ML	95
40)	2,6-Dinitrotoluene	19.49	165.0	126239	55.81	UG/ML	93
41)	3-Nitroaniline	20.00	138.0	37224M	27.87	UG/ML	89
42)	Acenaphthene	20.26	153.0	326089	43.94	UG/ML	94
43)	2,4-Dinitrophenol	20.23	184.0	49332M	79.63	UG/ML	

Operator ID: ANDY
Output File: ^U0305::A3
Data File: >U0305::A0
Name: 9/03/94
Misc: SSTD120 60 ug/mL

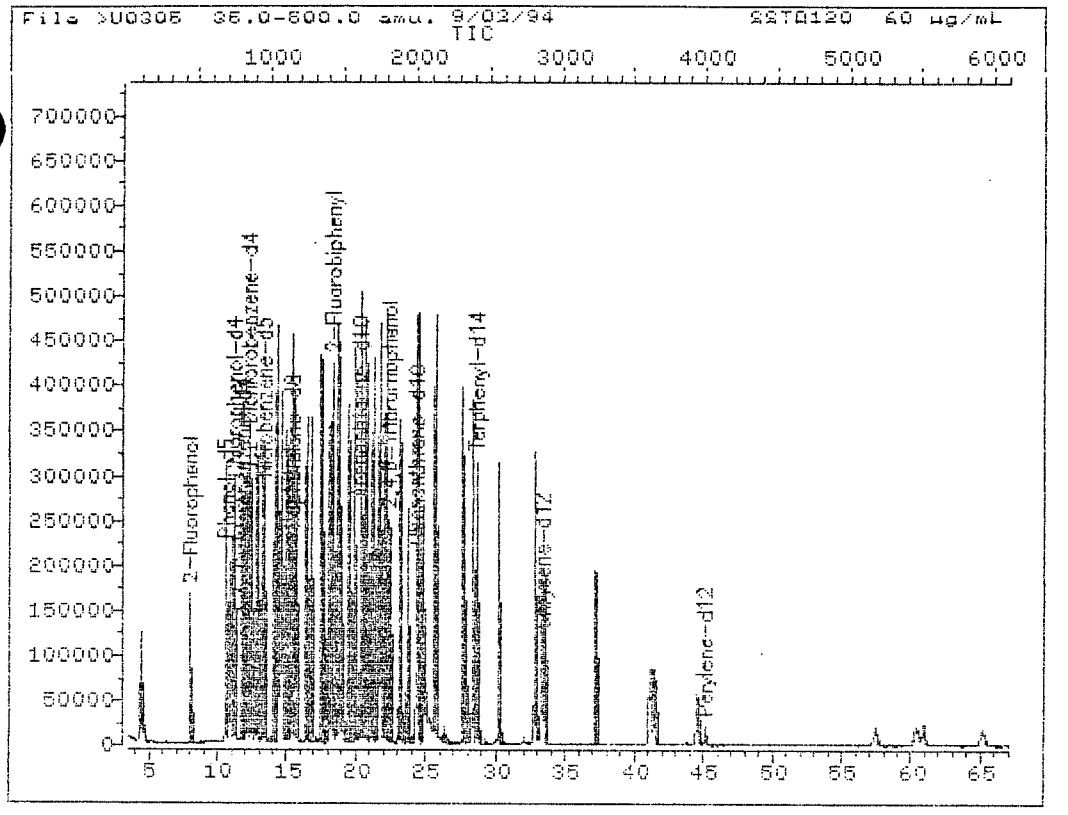
Quant Rev: 7
Quant Time: 940906 08:25
Injected at: 940905 15:28
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 6

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940905 11:50

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	4-Nitrophenol	20.30	109.0	49889M	59.79	UG/ML	
45)	Dibenzofuran	20.73	168.0	509137	49.19	UG/ML	92
46)	2,4-Dinitrotoluene	20.58	165.0	129824	45.38	UG/ML	80
47)	Diethylphthalate	21.16	149.0	451524	49.90	UG/ML	94
48)	4-Chlorophenyl-phenylether	21.58	204.0	189572	49.00	UG/ML	77
49)	Fluorene	21.66	166.0	365654M	45.78	UG/ML	99
50)	4-Nitroaniline	21.69	138.0	67849M	48.30	UG/ML	68
51)	*Phenanthrene-d10	24.23	188.0	211828	20.00	UG/ML	98
52)	4,6-Dinitro-2-methylphenol	21.69	198.0	70428	69.38	UG/ML	89
53)	N-Nitrosodiphenylamine	21.88	169.0	241369	42.62	UG/ML	96
54)	2,4,6-Tribromophenol	22.30	330.0	85215	54.78	UG/ML	98
55)	4-Bromophenyl-phenylether	22.91	248.0	120792	51.09	UG/ML	85
56)	Hexachlorobenzene	23.15	284.0	140159	50.76	UG/ML	85
57)	Pentachlorophenol	23.64	266.0	95250	60.40	UG/ML	99
58)	Phenanthrene	24.31	178.0	553570	47.44	UG/ML	97
59)	Anthracene	24.45	178.0	544452	47.79	UG/ML	98
60)	Carbozole	24.81	167.0	528100	47.91	UG/ML	96
61)	Di-n-butylphthalate	25.53	149.0	722244	45.50	UG/ML	98
62)	Fluoranthene	27.55	202.0	538907	49.58	UG/ML	90
63)	*Chrysene-d12	33.26	240.0	115432	20.00	UG/ML	91
64)	Pyrene	28.27	202.0	536526	52.09	UG/ML	96
65)	Terphenyl-d14	28.55	244.0	330011	52.71	UG/ML	89
66)	Butylbenzylphthalate	30.16	149.0	299203	57.31	UG/ML	98
67)	3,3'-Dichlorobenzidine	32.87	252.0	36224M	46.73	UG/ML	96
68)	Benzo(a)anthracene	33.19	228.0	349504	53.23	UG/ML	98
69)	Chrysene	33.41	228.0	311186	57.76	UG/ML	96
70)	bis(2-Ethylhexyl)phthalate	32.74	149.0	369435	57.43	UG/ML	95
71)	*Perylene-d12	45.05	264.0	70322	20.00	UG/ML	94
72)	Di-n-octylphthalate	37.19	149.0	562059	54.84	UG/ML	100
73)	Benzo(b)fluoranthene	41.15	252.0	256150	56.49	UG/ML	91
74)	Benzo(k)fluoranthene	41.41	252.0	248130M	55.28	UG/ML	92
75)	Benzo(a)pyrene	44.47	252.0	199773	56.74	UG/ML	94
76)	Indeno(1,2,3-cd)pyrene	60.26	276.0	131991	63.35	UG/ML	79
77)	Dibenz(a,h)anthracene	60.80	278.0	124132	62.46	UG/ML	84
78)	Benzo(g,h,i)perylene	65.06	276.0	121404	64.12	UG/ML	76

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >U0305
Name: 9/03/94
Misc: SSTD120 60 ug/mL

Quant Output File: ^U0305::A3
Instrument ID: MACH-2
BTL# 6

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07

Last Qcal Time: 940905 11:50

Operator ID: ANDY
Quant Time : 940906 08:25
Injected at: 940905 15:28

Operator ID: ANDY Quant Rev: 7 Quant Time: 940906 08:34
Output File: ^U0306::A3 Injected at: 940905 16:41
Data File: >U0306::A0 Dilution Factor: 1.00000
Name: 9/03/94 Instrument ID: MACH-2
Misc: SSTD160 80 ug/mL BTL# 7

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940905 11:50

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.74	152.0	57212	20.00	UG/ML	64
2)	2-Fluorophenol	7.96	112.0	230759	72.50	UG/ML	96
3)	Phenol-d5	10.55	99.0	296375	66.37	UG/ML	87
4)	2-Chlorophenol-d4	11.10	132.0	238692	64.04	UG/ML	94
5)	1,2-Dichlorobenzene-d4	12.19	152.0	162145	57.46	UG/ML	55
6)	Phenol	10.60	94.0	292487	62.30	UG/ML	70
7)	bis(2-Chloroethyl)ether	10.94	93.0	263894	71.34	UG/ML	91
8)	2-Chlorophenol	11.15	128.0	209352	60.04	UG/ML	59
9)	1,3-Dichlorobenzene	11.59	146.0	248528	64.25	UG/ML	98
10)	1,4-Dichlorobenzene	11.79	146.0	243533	62.34	UG/ML	96
11)	1,2-Dichlorobenzene	12.24	146.0	211117	57.57	UG/ML	96
12)	2-Methylphenol	12.31	108.0	206585	61.33	UG/ML	99
13)	2,2'-oxybis(1-Chloropropane)	12.44	45.0	434176	72.00	UG/ML	96
14)	4-Methylphenol	12.75	108.0	247031	66.56	UG/ML	99
15)	N-Nitroso-Di-n-propylamine	12.83	70.0	220565	71.76	UG/ML	88
16)	Hexachloroethane	13.20	117.0	162006	54.97	UG/ML	82
17)	*Naphthalene-d8	15.33	136.0	230749M	20.00	UG/ML	96
18)	Nitrobenzene-d5	13.30	82.0	299401	70.73	UG/ML	56
19)	Nitrobenzene	13.35	77.0	292501	65.95	UG/ML	96
20)	Isophorone	14.00	82.0	564256	64.87	UG/ML	84
21)	2-Nitrophenol	14.22	139.0	164242M	60.49	UG/ML	84
22)	2,4-Dimethylphenol	14.24	107.0	210025M	61.69	UG/ML	98
23)	bis(2-Chloroethoxy)methane	14.52	93.0	320137	58.12	UG/ML	97
24)	2,4-Dichlorophenol	14.88	162.0	196760	60.76	UG/ML	95
25)	1,2,4-Trichlorobenzene	15.14	180.0	198445	59.03	UG/ML	93
26)	Naphthalene	15.39	128.0	585067M	54.41	UG/ML	98
27)	4-Chloroaniline	15.48	127.0	159411	55.92	UG/ML	94
28)	Hexachlorobutadiene	15.66	225.0	112534	61.63	UG/ML	98
29)	4-Chloro-3-methylphenol	16.71	107.0	245401	64.45	UG/ML	97
30)	2-Methylnaphthalene	17.29	142.0	369842	53.95	UG/ML	96
31)	*Acenaphthene-d10	20.17	164.0	146749	20.00	UG/ML	96
32)	Hexachlorocyclopentadiene	17.68	237.0	113259	76.07	UG/ML	98
33)	2,4,6-Trichlorophenol	18.01	196.0	155770	61.06	UG/ML	94
34)	2,4,5-Trichlorophenol	18.11	196.0	157084	60.98	UG/ML	93
35)	2-Chloronaphthalene	18.66	162.0	472420M	70.27	UG/ML	95
36)	2-Fluorobiphenyl	18.25	172.0	415289	54.47	UG/ML	95
37)	2-Nitroaniline	18.88	65.0	213980	71.77	UG/ML	83
38)	Dimethylphthalate	19.28	163.0	543679	62.54	UG/ML	99
39)	Acenaphthylene	19.80	152.0	623205	56.61	UG/ML	96
40)	2,6-Dinitrotoluene	19.49	165.0	157120	68.98	UG/ML	93
41)	3-Nitroaniline	20.00	138.0	41394M	30.77	UG/ML	90
42)	Acenaphthene	20.28	153.0	363055	48.57	UG/ML	96
43)	2,4-Dinitrophenol	20.24	184.0	62766M	100.61	UG/ML	

Operator ID: ANDY
Output File: ^U0306::A3
Data File: >U0306::A0
Name: 9/03/94
Misc: SSTD160 80 ug/mL

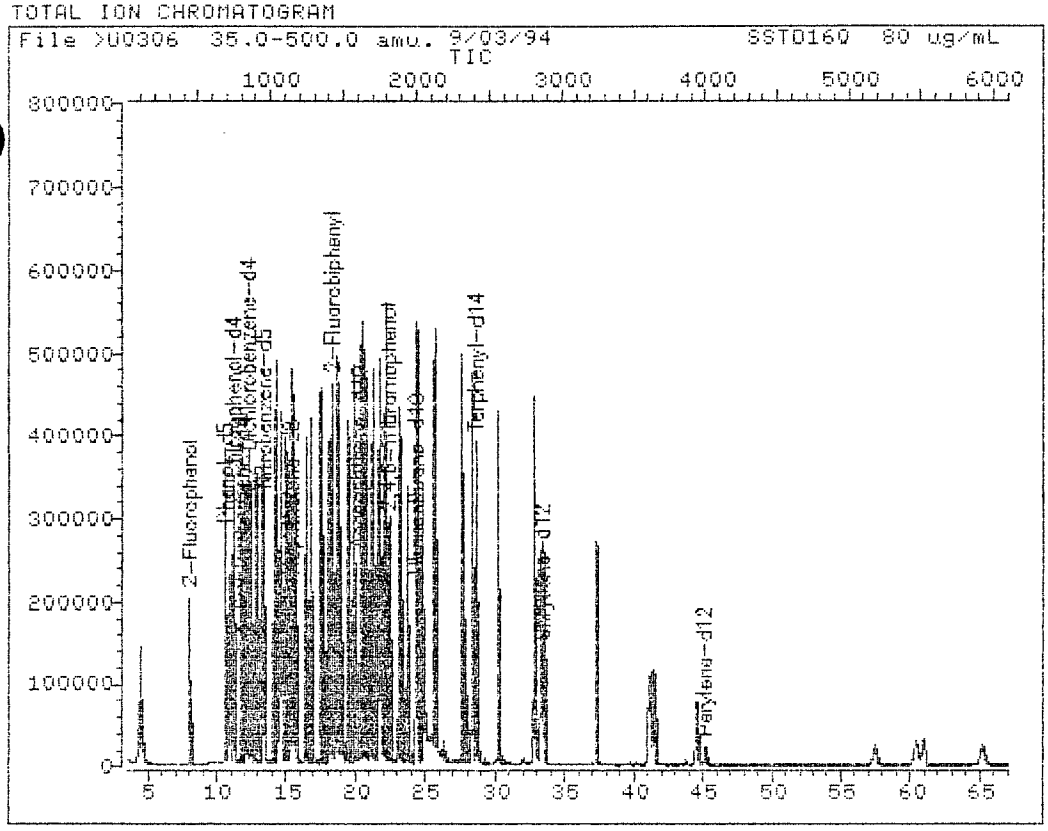
Quant Rev: 7
Quant Time: 940906 08:34
Injected at: 940905 16:41
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 7

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940905 11:50

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	4-Nitrophenol	20.32	109.0	65486M	77.93	UG/ML	
45)	Dibenzofuran	20.74	168.0	592773	56.86	UG/ML	95
46)	2,4-Dinitrotoluene	20.59	165.0	145864	50.63	UG/ML	81
47)	Diethylphthalate	21.18	149.0	540937	59.36	UG/ML	94
48)	4-Chlorophenyl-phenylether	21.58	204.0	223180	57.28	UG/ML	78
49)	Fluorene	21.67	166.0	424535	52.78	UG/ML	99
50)	4-Nitroaniline	21.72	138.0	72626M	51.34	UG/ML	69
51)	*Phenanthrene-d10	24.24	188.0	217047M	20.00	UG/ML	96
52)	4,6-Dinitro-2-methylphenol	21.71	198.0	97225	93.48	UG/ML	91
53)	N-Nitrosodiphenylamine	21.89	169.0	257256	44.33	UG/ML	96
54)	2,4,6-Tribromophenol	22.30	330.0	108397	68.00	UG/ML	97
55)	4-Bromophenyl-phenylether	22.93	248.0	149534	61.73	UG/ML	86
56)	Hexachlorobenzene	23.16	284.0	176126	62.25	UG/ML	84
57)	Pentachlorophenol	23.65	266.0	128097	79.28	UG/ML	97
58)	Phenanthrene	24.31	178.0	685478	57.33	UG/ML	98
59)	Anthracene	24.46	178.0	662196	56.73	UG/ML	98
60)	Carbozole	24.82	167.0	660466	58.48	UG/ML	95
61)	Di-n-butylphthalate	25.54	149.0	860760	52.92	UG/ML	97
62)	Fluoranthene	27.56	202.0	710614	63.80	UG/ML	87
63)	*Chrysene-d12	33.28	240.0	126095	20.00	UG/ML	93
64)	Pyrene	28.28	202.0	724388	64.38	UG/ML	98
65)	Terphenyl-d14	28.56	244.0	446457	65.28	UG/ML	85
66)	Butylbenzylphthalate	30.16	149.0	415460	72.84	UG/ML	97
67)	3,3'-Dichlorobenzidine	32.89	252.0	55772M	65.86	UG/ML	98
68)	Benzo(a)anthracene	33.21	228.0	509252	71.01	UG/ML	98
69)	Chrysene	33.43	228.0	452594	76.90	UG/ML	96
70)	bis(2-Ethylhexyl)phthalate	32.75	149.0	542170	77.15	UG/ML	98
71)	*Perylene-d12	45.07	264.0	76545	20.00	UG/ML	95
72)	Di-n-octylphthalate	37.21	149.0	842786	75.54	UG/ML	100
73)	Benzo(b)fluoranthene	41.18	252.0	361548	73.25	UG/ML	92
74)	Benzo(k)fluoranthene	41.44	252.0	341814M	69.96	UG/ML	92
75)	Benzo(a)pyrene	44.51	252.0	277042	72.28	UG/ML	95
76)	Indeno(1,2,3-cd)pyrene	60.33	276.0	178613	78.75	UG/ML	80
77)	Dibenz(a,h)anthracene	60.84	278.0	169904	78.54	UG/ML	84
78)	Benzo(g,h,i)perylene	65.09	276.0	161841	78.53	UG/ML	76

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >U0306
Name: 9/03/94
Misc: SSTD160 80 ug/mL

Quant Output File: ^U0306::A3
Instrument ID: MACH-2
BTL# 7

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07

Last Qcal Time: 940905 11:50

Operator ID: ANDY
Quant Time : 940906 08:34
Injected at: 940905 16:41

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Instrument ID: MACH2 Calibration Date: 10/06/94 Time: 0937

Lab File ID: >V0602 Init. Calib. Date(s): 09/05/94 09/05/94

Init. Calib. Times: 1150 1641

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.544	1.591	0.800	-3.0	25.0
bis(2-Chloroethyl)ether	1.263	1.169	0.700	7.5	25.0
2-Chlorophenol	1.132	1.197	0.800	-5.8	25.0
1,3-Dichlorobenzene	1.281	1.336	0.600	-4.3	25.0
1,4-Dichlorobenzene	1.279	1.344	0.500	-5.1	25.0
1,2-Dichlorobenzene	1.174	1.259	0.400	-7.2	25.0
2-Methylphenol	1.099	1.136	0.700	-3.3	25.0
2,2'-oxybis(1-Chloropropane)	2.049	1.645		19.7	
4-Methylphenol	1.245	1.215	0.600	2.4	25.0
N-Nitroso-di-n-propylamine	1.055	0.911	0.500	13.6	25.0
Hexachloroethane	0.903	0.972	0.300	-7.6	25.0
Nitrobenzene	0.365	0.391	0.200	-7.1	25.0
Isophorone	0.712	0.733	0.400	-3.0	25.0
2-Nitrophenol	0.216	0.164	0.100	24.1	25.0
2,4-Dimethylphenol	0.270	0.309	0.200	-14.3	25.0
bis(2-Chloroethoxy)methane	0.437	0.441	0.300	-1.0	25.0
2,4-Dichlorophenol	0.260	0.273	0.200	-5.1	25.0
1,2,4-Trichlorobenzene	0.266	0.308	0.200	-15.6	25.0
Naphthalene	0.842	0.902	0.700	-7.1	25.0
4-Chloroaniline	0.230	0.118		48.5	
Hexachlorobutadiene	0.147	0.193		-31.4	
4-Chloro-3-methylphenol	0.311	0.319	0.200	-2.4	25.0
2-Methylnaphthalene	0.530	0.577	0.400	-8.8	25.0
Hexachlorocyclopentadiene	0.195	0.188		3.6	
2,4,6-Trichlorophenol	0.320	0.345	0.200	-7.6	25.0
2,4,5-Trichlorophenol	0.325	0.346	0.200	-6.4	25.0
2-Chloronaphthalene	0.968	0.953	0.800	1.6	25.0
2-Nitroaniline	0.399	0.375		5.9	
Dimethylphthalate	1.114	1.174		-5.4	
Acenaphthylene	1.375	1.498	1.300	-9.0	25.0
2,6-Dinitrotoluene	0.296	0.292	0.200	1.5	25.0
3-Nitroaniline	0.147	0.023		84.2	
Acenaphthene	0.901	1.011	0.800	-12.3	25.0
2,4-Dinitrophenol	0.088	0.061		30.3	
4-Nitrophenol	0.110	0.095		13.3	
Dibenzofuran	1.307	1.425	0.800	-9.0	25.0
2,4-Dinitrotoluene	0.337	0.323	0.200	4.0	25.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: New England Testing Lab | Contract: G&H RD/RA

Lab Code: RI010 | Case No.: | SAS No.: | SDG No.: NETL19-1

Instrument ID: MACH2 | Calibration Date: 10/06/94 | Time: 0937

Lab File ID: >V0602 | Init. Calib. Date(s): 09/05/94 | 09/05/94

Init. Calib. Times: 1150 | 1641

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.147	1.197		-4.4	
4-chlorophenyl-phenylether	0.481	0.590	0.400	-22.6	25.0
Fluorene	0.950	1.122	0.900	-18.1	25.0
4-Nitroaniline	0.182	0.074		59.3	
4,6-Dinitro-2-methylphenol	0.097	0.069		28.2	
N-Nitrosodiphenylamine (1)	0.457	0.393		14.1	
4-Bromophenyl-phenylether	0.207	0.217	0.100	-4.8	25.0
Hexachlorobenzene	0.243	0.248	0.100	-2.0	25.0
Pentachlorophenol	0.141	0.079	0.050	44.2	25.0
Phenanthrene	1.005	0.908	0.700	9.7	25.0
Anthracene	0.979	0.885	0.700	9.6	25.0
Carbazole	0.954	0.595		37.7	
Di-n-butylphthalate	1.336	1.147		14.1	
Fluoranthene	0.959	0.811	0.600	15.4	25.0
Pyrene	1.690	1.583	0.600	6.3	25.0
Butylbenzylphthalate	0.882	0.806		8.7	
3,3'-Dichlorobenzidine	0.134	0.137		-2.5	
Benzo(a)anthracene	1.080	1.043	0.800	3.4	25.0
Chrysene	0.939	0.891	0.700	5.1	25.0
bis(2-Ethylhexyl)phthalate	1.128	1.096		2.8	
Di-n-octylphthalate	2.877	1.875		34.8	
Benzo(b)fluoranthene	1.270	1.066	0.700	16.0	25.0
Benzo(k)fluoranthene	1.229	1.007	0.700	18.1	25.0
Benzo(a)pyrene	0.981	0.911	0.700	7.2	25.0
Indeno(1,2,3-cd)pyrene	0.596	0.834	0.500	-39.9	25.0
Dibenz(a,h)anthracene	0.571	0.795	0.400	-39.1	25.0
Benzo(g,h,i)perylene	0.543	0.786	0.500	-44.7	25.0
Nitrobenzene-d5	0.353	0.358	0.200	-1.5	25.0
2-Fluorobiphenyl	0.910	1.079	0.700	-18.5	25.0
Terphenyl-d14	1.034	1.212	0.500	-17.2	25.0
Phenol-d5	1.498	1.439	0.800	3.9	25.0
2-Fluorophenol	1.095	1.096	0.600	-0.1	25.0
2,4,6-Tribromophenol	0.141	0.107		24.3	
2-Chlorophenol-d4	1.219	1.137	0.800	6.7	25.0
1,2-Dichlorobenzene-d4	0.892	0.796	0.400	10.8	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

0421

Operator ID: ANDY Quant Rev: 7 Quant Time: 941006 10:47
Output File: ^V0602::D1 Injected at: 941006 09:37
Data File: >V0602::A0 Dilution Factor: 1.00000
Name: 10/06/94 Instrument ID: MACH-2
Misc: SSTD50 25 ug/mL BTL# 3

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940913 17:46

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.57	152.0	60685	20.00	UG/ML	67
2)	2-Fluorophenol	7.79	112.0	83154	22.12	UG/ML	97
3)	Phenol-d5	10.37	99.0	109169	20.34	UG/ML	89
4)	2-Chlorophenol-d4	10.92	132.0	86286	19.60	UG/ML	98
5)	1,2-Dichlorobenzene-d4	12.01	152.0	60390	19.01	UG/ML	57
6)	Phenol	10.41	94.0	120722	20.77	UG/ML	73
7)	bis(2-Chloroethyl)ether	10.76	93.0	88676	19.14	UG/ML	89
8)	2-Chlorophenol	10.97	128.0	90835	21.79	UG/ML	62
9)	1,3-Dichlorobenzene	11.41	146.0	101331	21.56	UG/ML	97
10)	1,4-Dichlorobenzene	11.62	146.0	101982	21.47	UG/ML	98
11)	1,2-Dichlorobenzene	12.05	146.0	95475	21.52	UG/ML	95
12)	2-Methylphenol	12.14	108.0	86147	21.76	UG/ML	99
13)	2,2'-oxybis(1-Chloropropane)	12.26	45.0	124763	13.22	UG/ML	98
14)	4-Methylphenol	12.56	108.0	92168	21.21	UG/ML	99
15)	N-Nitroso-Di-n-propylamine	12.63	70.0	69121	16.95	UG/ML	86
16)	Hexachloroethane	13.01	117.0	73730	19.82	UG/ML	78
17)	*Naphthalene-d8	15.14	136.0	226734	20.00	UG/ML	99
18)	Nitrobenzene-d5	13.11	82.0	101423	21.28	UG/ML	56
19)	Nitrobenzene	13.16	77.0	110682	21.48	UG/ML	96
20)	Isophorone	13.81	82.0	207791	20.90	UG/ML	83
21)	2-Nitrophenol	14.04	139.0	46372	20.32	UG/ML	88
22)	2,4-Dimethylphenol	14.06	107.0	87663	22.65	UG/ML	92
23)	bis(2-Chloroethoxy)methane	14.34	93.0	125021	19.69	UG/ML	98
24)	2,4-Dichlorophenol	14.69	162.0	77286	21.60	UG/ML	94
25)	1,2,4-Trichlorobenzene	14.94	180.0	87235	22.08	UG/ML	92
26)	Naphthalene	15.19	128.0	255558	21.34	UG/ML	98
27)	4-Chloroaniline	15.31	127.0	33583	17.92	UG/ML	95
28)	Hexachlorobutadiene	15.48	225.0	54705	22.48	UG/ML	97
29)	4-Chloro-3-methylphenol	16.54	107.0	90300	20.99	UG/ML	95
30)	2-Methylnaphthalene	17.10	142.0	163502	21.14	UG/ML	95
31)	*Acenaphthene-d10	19.97	164.0	136004	20.00	UG/ML	94
32)	Hexachlorocyclopentadiene	17.48	237.0	31916	13.14	UG/ML	96
33)	2,4,6-Trichlorophenol	17.82	196.0	58607	20.45	UG/ML	94
34)	2,4,5-Trichlorophenol	17.93	196.0	58766	19.95	UG/ML	93
35)	2-Chloronaphthalene	18.45	162.0	162061	22.03	UG/ML	95
36)	2-Fluorobiphenyl	18.05	172.0	183383	21.88	UG/ML	94
37)	2-Nitroaniline	18.68	65.0	63794	19.74	UG/ML	86
38)	Dimethylphthalate	19.09	163.0	199577	23.10	UG/ML	98
39)	Acenaphthylene	19.60	152.0	254694	22.46	UG/ML	94
40)	2,6-Dinitrotoluene	19.30	165.0	49583	22.11	UG/ML	91
41)	3-Nitroaniline	19.79	138.0	3946	7.16	UG/ML	89
42)	Acenaphthene	20.07	153.0	171947	22.14	UG/ML	93
43)	2,4-Dinitrophenol	20.06	184.0	10452M	11.30	UG/ML	

Operator ID: ANDY
Output File: ^V0602::D1
Data File: >V0602::A0
Name: 10/06/94
Misc: SSTD50 25 ug/mL

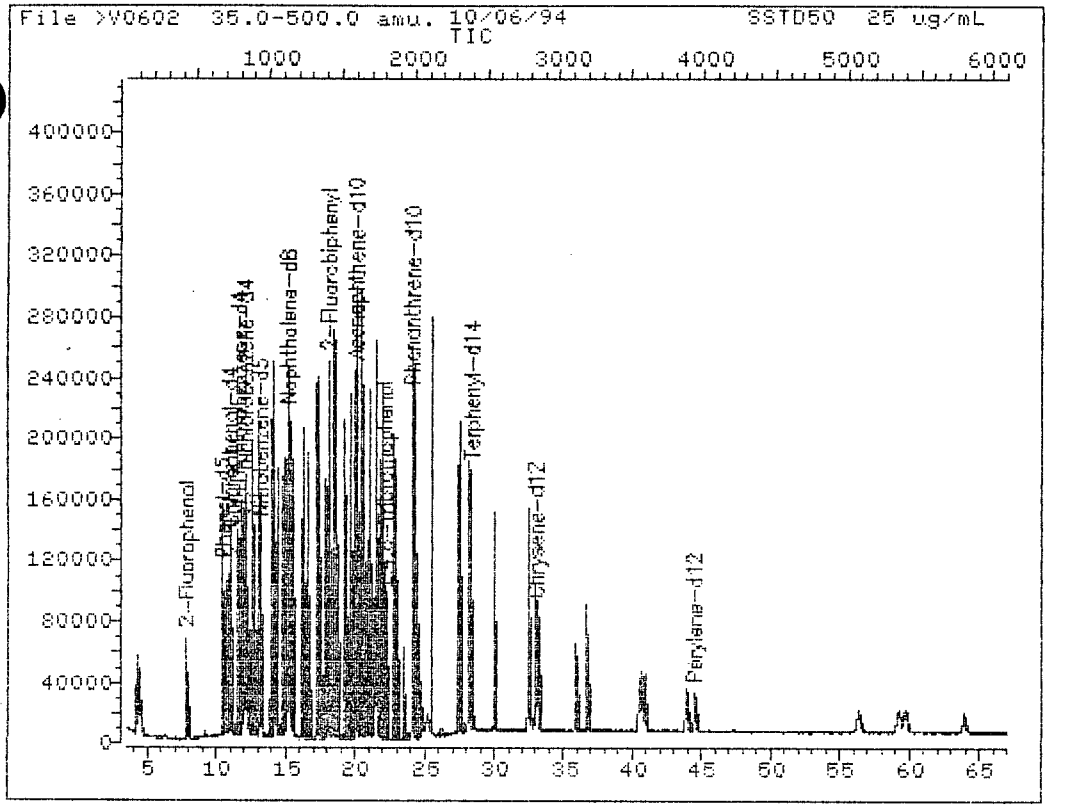
Quant Rev: 7
Quant Time: 941006 10:47
Injected at: 941006 09:37
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 3

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940913 17:46

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	4-Nitrophenol	20.13	109.0	16229	26.67	UG/ML	30
45)	Dibenzofuran	20.53	168.0	242210	22.02	UG/ML	93
46)	2,4-Dinitrotoluene	20.40	165.0	54987	21.50	UG/ML	82
47)	Diethylphthalate	20.97	149.0	203515	21.10	UG/ML	95
48)	4-Chlorophenyl-phenylether	21.38	204.0	100228	22.11	UG/ML	76
49)	Fluorene	21.47	166.0	190806	22.45	UG/ML	98
50)	4-Nitroaniline	21.49	138.0	12612	12.61	UG/ML	76
51)	*Phenanthrene-d10	24.04	188.0	235545	20.00	UG/ML	92
52)	4,6-Dinitro-2-methylphenol	21.51	198.0	20452	10.42	UG/ML	92
53)	N-Nitrosodiphenylamine	21.70	169.0	115727	18.30	UG/ML	96
54)	2,4,6-Tribromophenol	22.10	330.0	31407	12.67	UG/ML	97
55)	4-Bromophenyl-phenylether	22.73	248.0	63878	17.58	UG/ML	85
56)	Hexachlorobenzene	22.96	284.0	72933	16.77	UG/ML	83
57)	Pentachlorophenol	23.46	266.0	23229M	10.31	UG/ML	95
58)	Phenanthrene	24.12	178.0	267208	18.31	UG/ML	98
59)	Anthracene	24.25	178.0	260575	18.65	UG/ML	99
60)	Carbozole	24.65	167.0	175141M	35.45	UG/ML	95
61)	Di-n-butylphthalate	25.35	149.0	337732	19.44	UG/ML	96
62)	Fluoranthene	27.36	202.0	238815	16.40	UG/ML	83
63)	*Chrysene-d12	32.92	240.0	117773	20.00	UG/ML	98
64)	Pyrene	28.06	202.0	233077	25.90	UG/ML	94
65)	Terphenyl-d14	28.33	244.0	178408	29.73	UG/ML	82
66)	Butylbenzylphthalate	29.90	149.0	118596	28.36	UG/ML	94
67)	3,3'-Dichlorobenzidine	32.55	252.0	20198	21.59	UG/ML	96
68)	Benzo(a)anthracene	32.85	228.0	153530	21.49	UG/ML	98
69)	Chrysene	33.06	228.0	131229	21.98	UG/ML	94
70)	bis(2-Ethylhexyl)phthalate	32.39	149.0	161338	28.90	UG/ML	98
71)	*Perylene-d12	44.41	264.0	99507M	20.00	UG/ML	
72)	Di-n-octylphthalate	36.68	149.0	233265	23.60	UG/ML	100
73)	Benzo(b)fluoranthene	40.56	252.0	132645M	20.80	UG/ML	94
74)	Benzo(k)fluoranthene	40.82	252.0	125207M	19.05	UG/ML	
75)	Benzo(a)pyrene	43.83	252.0	113258M	22.35	UG/ML	
76)	Indeno(1,2,3-cd)pyrene	59.21	276.0	103754M	28.13	UG/ML	
77)	Dibenz(a,h)anthracene	59.69	278.0	98851M	28.22	UG/ML	
78)	Benzo(g,h,i)perylene	63.89	276.0	97806M	23.78	UG/ML	

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V0602::A0
Name: 10/06/94
Misc: SSTD50 25 ug/mL

Quant Output File: ^V0602::D1
Instrument ID: MACH-2
BTL# 3

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07

Last Qcal Time: 940913 17:46

Operator ID: ANDY
Quant Time : 941006 10:47
Injected at: 941006 09:37

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Instrument ID: MACH2 Calibration Date: 10/07/94 Time: 1143

Lab File ID: >V0702 Init. Calib. Date(s): 09/05/94 09/05/94

Init. Calib. Times: 1150 1641

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.544	1.516	0.800	1.9	25.0
bis(2-Chloroethyl)ether	1.263	1.136	0.700	10.1	25.0
2-Chlorophenol	1.132	1.088	0.800	3.8	25.0
1,3-Dichlorobenzene	1.281	1.203	0.600	6.1	25.0
1,4-Dichlorobenzene	1.279	1.207	0.500	5.6	25.0
1,2-Dichlorobenzene	1.174	1.153	0.400	1.9	25.0
2-Methylphenol	1.099	1.059	0.700	3.7	25.0
2,2'-oxybis(1-Chloropropane)	2.049	1.979		3.4	
4-Methylphenol	1.245	1.144	0.600	8.1	25.0
N-Nitroso-di-n-propylamine	1.055	0.953	0.500	9.6	25.0
Hexachloroethane	0.903	0.925	0.300	-2.4	25.0
Nitrobenzene	0.365	0.387	0.200	-6.1	25.0
Isophorone	0.712	0.711	0.400	0.1	25.0
2-Nitrophenol	0.216	0.158	0.100	26.7	25.0
2,4-Dimethylphenol	0.270	0.280	0.200	-3.6	25.0
bis(2-Chloroethoxy)methane	0.437	0.431	0.300	1.3	25.0
2,4-Dichlorophenol	0.260	0.241	0.200	7.0	25.0
1,2,4-Trichlorobenzene	0.266	0.277	0.200	-3.8	25.0
Naphthalene	0.842	0.813	0.700	3.4	25.0
4-Chloroaniline	0.230	0.136		40.7	
Hexachlorobutadiene	0.147	0.179		-21.6	
4-Chloro-3-methylphenol	0.311	0.290	0.200	6.7	25.0
2-Methylnaphthalene	0.530	0.512	0.400	3.5	25.0
Hexachlorocyclopentadiene	0.195	0.150		23.1	
2,4,6-Trichlorophenol	0.320	0.310	0.200	3.3	25.0
2,4,5-Trichlorophenol	0.325	0.314	0.200	3.5	25.0
2-Chloronaphthalene	0.968	0.853	0.800	12.0	25.0
2-Nitroaniline	0.399	0.375		5.8	
Dimethylphthalate	1.114	1.063		4.6	
Acenaphthylene	1.375	1.341	1.300	2.5	25.0
2,6-Dinitrotoluene	0.296	0.277	0.200	6.6	25.0
3-Nitroaniline	0.147	0.035		76.0	
Acenaphthene	0.901	0.908	0.800	-0.8	25.0
2,4-Dinitrophenol	0.088	0.057		35.3	
4-Nitrophenol	0.110	0.074		32.6	
Dibenzofuran	1.307	1.264	0.800	3.3	25.0
2,4-Dinitrotoluene	0.337	0.304	0.200	9.7	25.0

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	New England Testing Lab		Contract:	G&H RD/RA	
Lab Code:	RI010	Case No.:	SAS No.:		SDG No.: NETL19-1
Instrument ID:	MACH2	Calibration Date:	10/07/94		Time: 1143
Lab File ID:	>V0702	Init. Calib. Date(s):	09/05/94		09/05/94
		Init. Calib. Times:	1150		1641

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.147	1.107		3.5	
4-chlorophenyl-phenylether	0.481	0.528	0.400	-9.9	25.0
Fluorene	0.950	0.992	0.900	-4.4	25.0
4-Nitroaniline	0.182	0.066		64.0	
4,6-Dinitro-2-methylphenol	0.097	0.074		23.8	
N-Nitrosodiphenylamine (1)	0.457	0.363		20.6	
4-Bromophenyl-phenylether	0.207	0.202	0.100	2.7	25.0
Hexachlorobenzene	0.243	0.234	0.100	3.6	25.0
Pentachlorophenol	0.141	0.074	0.050	47.4	25.0
Phenanthrene	1.005	0.810	0.700	19.4	25.0
Anthracene	0.979	0.777	0.700	20.6	25.0
Carbazole	0.954	0.221		76.9	
Di-n-butylphthalate	1.336	1.089		18.5	
Fluoranthene	0.959	0.735	0.600	23.4	25.0
Pyrene	1.690	1.435	0.600	15.0	25.0
Butylbenzylphthalate	0.882	0.755		14.4	
3,3'-Dichlorobenzidine	0.134	0.111		17.4	
Benzo(a)anthracene	1.080	0.909	0.800	15.9	25.0
Chrysene	0.939	0.776	0.700	17.4	25.0
bis(2-Ethylhexyl)phthalate	1.128	1.033		8.4	
Di-n-octylphthalate	2.877	1.949		32.3	
Benzo(b)fluoranthene	1.270	0.980	0.700	22.8	25.0
Benzo(k)fluoranthene	1.229	0.951	0.700	22.6	25.0
Benzo(a)pyrene	0.981	0.805	0.700	18.0	25.0
Indeno(1,2,3-cd)pyrene	0.596	0.626	0.500	-5.0	25.0
Dibenz(a,h)anthracene	0.571	0.592	0.400	-3.6	25.0
Benzo(g,h,i)perylene	0.543	0.612	0.500	-12.6	25.0
Nitrobenzene-d5	0.353	0.351	0.200	0.5	25.0
2-Fluorobiphenyl	0.910	0.975	0.700	-7.1	25.0
Terphenyl-d14	1.034	1.054	0.500	-1.9	25.0
Phenol-d5	1.498	1.355	0.800	9.6	25.0
2-Fluorophenol	1.095	0.977	0.600	10.8	25.0
2,4,6-Tribromophenol	0.141	0.104		26.0	
2-Chlorophenol-d4	1.219	1.024	0.800	16.0	25.0
1,2-Dichlorobenzene-d4	0.892	0.718	0.400	19.5	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

0426

QUANT REPORT

Operator ID: ANDY
Output File: ^V0702::D1
D[illegible] File: >V0702::A0
Name: 10/7/94
Misc: SSTD50 25 ug/mL

Quant Rev: 7
Quant Time: 941007 12:51
Injected at: 941007 11:43
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 3

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07

Last Qcal Time: 941006 22:58

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.58	152.0	58015	20.00	UG/ML	57
2)	2-Fluorophenol	7.79	112.0	70851	23.47	UG/ML	85
3)	Phenol-d5	10.38	99.0	98280	22.28	UG/ML	89
4)	2-Chlorophenol-d4	10.93	132.0	74241	21.77	UG/ML	94
5)	1,2-Dichlorobenzene-d4	12.02	152.0	52104	21.37	UG/ML	57
6)	Phenol	10.43	94.0	109914	36.78	UG/ML	75
7)	bis(2-Chloroethyl)ether	10.76	93.0	82370	23.16	UG/ML	93
8)	2-Chlorophenol	10.98	128.0	78936	22.33	UG/ML	56
9)	1,3-Dichlorobenzene	11.43	146.0	87222	25.94	UG/ML	97
10)	1,4-Dichlorobenzene	11.63	146.0	87529	22.60	UG/ML	98
11)	1,2-Dichlorobenzene	12.06	146.0	83579	22.87	UG/ML	95
12)	2-Methylphenol	12.15	108.0	76794	22.31	UG/ML	97
13)	2,2'-oxybis(1-Chloropropane)	12.27	45.0	143517	22.88	UG/ML	97
1[illegible])	4-Methylphenol	12.57	108.0	82948	21.51	UG/ML	99
1[illegible])	N-Nitroso-Di-n-propylamine	12.63	70.0	69129	70.73	UG/ML	87
16)	Hexachloroethane	13.03	117.0	67069	25.42	UG/ML	82
17)	*Naphthalene-d8	15.15	136.0	222692	20.00	UG/ML	96
18)	Nitrobenzene-d5	13.12	82.0	97626	24.74	UG/ML	58
19)	Nitrobenzene	13.18	77.0	107707	23.86	UG/ML	97
20)	Isophorone	13.81	82.0	197947	28.36	UG/ML	83
21)	2-Nitrophenol	14.05	139.0	44005M	22.96	UG/ML	83
22)	2,4-Dimethylphenol	14.07	107.0	77998	22.76	UG/ML	95
23)	bis(2-Chloroethoxy)methane	14.35	93.0	120002	23.86	UG/ML	97
24)	2,4-Dichlorophenol	14.71	162.0	67161	21.89	UG/ML	96
25)	1,2,4-Trichlorobenzene	14.96	180.0	76971	21.81	UG/ML	94
26)	Naphthalene	15.21	128.0	226237	24.16	UG/ML	98
27)	4-Chloroaniline	15.31	127.0	37952	14.84	UG/ML	90
28)	Hexachlorobutadiene	15.49	225.0	49723	22.56	UG/ML	99
29)	4-Chloro-3-methylphenol	16.55	107.0	80807	22.21	UG/ML	95
30)	2-Methylnaphthalene	17.10	142.0	142477	22.22	UG/ML	95
31)	*Acenaphthene-d10	19.98	164.0	131310	20.00	UG/ML	95
32)	Hexachlorocyclopentadiene	17.50	237.0	24565	87.24	UG/ML	98
33)	2,4,6-Trichlorophenol	17.83	196.0	50877	21.79	UG/ML	95
34)	2,4,5-Trichlorophenol	17.95	196.0	51481	21.46	UG/ML	93
35)	2-Chloronaphthalene	18.46	162.0	139949	24.64	UG/ML	96
36)	2-Fluorobiphenyl	18.06	172.0	160020	22.79	UG/ML	93
37)	2-Nitroaniline	18.69	65.0	61619	24.28	UG/ML	89
38)	Dimethylphthalate	19.09	163.0	174442	23.32	UG/ML	98
39)	Acenaphthylene	19.61	152.0	220111	23.12	UG/ML	93
4[illegible])	2,6-Dinitrotoluene	19.30	165.0	45421	28.68	UG/ML	90
41)	3-Nitroaniline	19.79	138.0	5796	5.92	UG/ML	87
42)	Acenaphthene	20.07	153.0	148993	23.10	UG/ML	92
43)	2,4-Dinitrophenol	20.07	184.0	9372M	63.75	UG/ML	

Operator ID: ANDY
Output File: ^V0702::D1
Data File: >V0702::A0
Name: 10/7/94
Misc: SSTD50 25 ug/mL

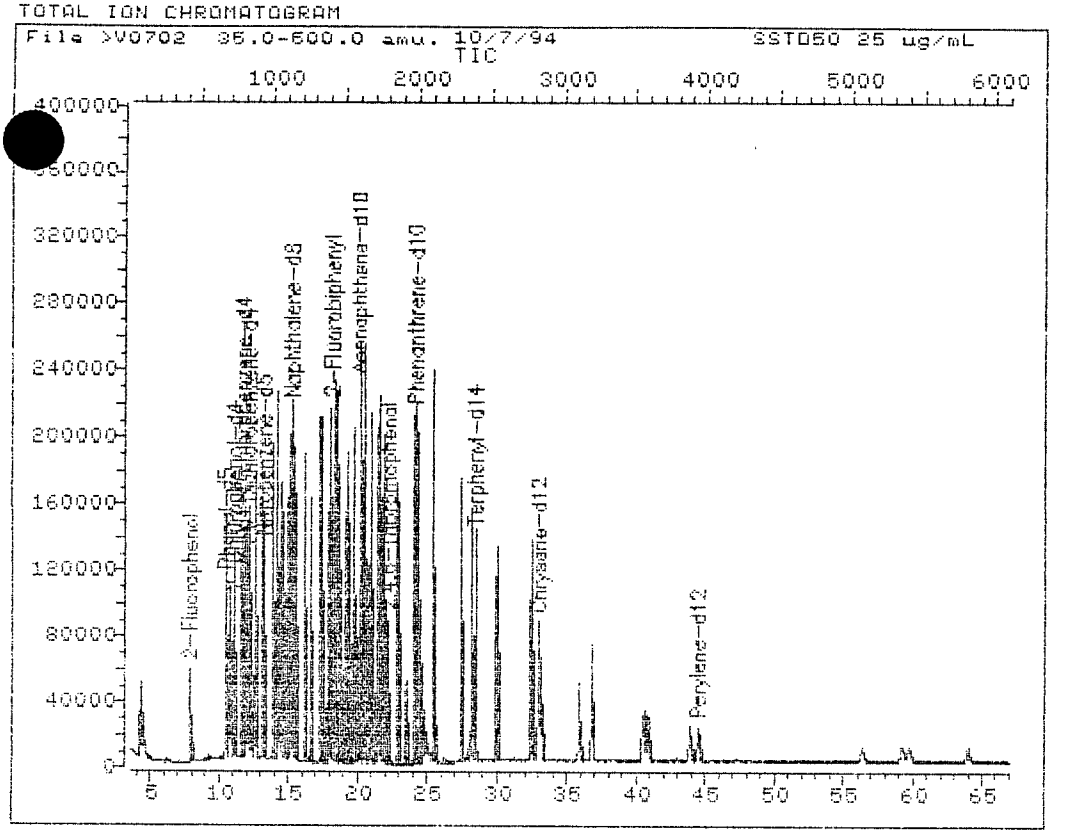
Quant Rev: 7
Quant Time: 941007 12:51
Injected at: 941007 11:43
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 3

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941006 22:58

	Compound	R.T.	Q ion	Area	Conc	Units	q
44)	4-Nitrophenol	20.15	109.0	12173M	24.87	UG/ML	
45)	Dibenzofuran	20.53	168.0	207413	28.80	UG/ML	91
46)	2,4-Dinitrotoluene	20.41	165.0	49909	23.29	UG/ML	83
47)	Diethylphthalate	20.97	149.0	181740	24.02	UG/ML	94
48)	4-Chlorophenyl-phenylether	21.39	204.0	86766	21.30	UG/ML	75
49)	Fluorene	21.47	166.0	162867	23.44	UG/ML	97
50)	4-Nitroaniline	21.48	138.0	10763	15.32	UG/ML	67
51)	*Phenanthrene-d10	24.05	188.0	220870	20.00	UG/ML	94
52)	4,6-Dinitro-2-methylphenol	21.51	198.0	20354	42.79	UG/ML	92
53)	N-Nitrosodiphenylamine	21.69	169.0	100346	22.53	UG/ML	96
54)	2,4,6-Tribromophenol	22.12	330.0	28781	20.26	UG/ML	98
55)	4-Bromophenyl-phenylether	22.73	248.0	55635	21.58	UG/ML	84
56)	Hexachlorobenzene	22.96	284.0	64656	20.24	UG/ML	82
57)	Pentachlorophenol	23.46	266.0	20519M	24.85	UG/ML	98
58)	Phenanthrene	24.12	178.0	223621	25.85	UG/ML	98
59)	Anthracene	24.25	178.0	214528	23.75	UG/ML	98
60)	Carbozole	24.64	167.0	60970	7.96	UG/ML	94
61)	Di-n-butylphthalate	25.34	149.0	300652	24.69	UG/ML	96
62)	Fluoranthene	27.36	202.0	202791	21.07	UG/ML	86
63)	*Chrysene-d12	32.92	240.0	112044	20.00	UG/ML	97
64)	Pyrene	28.06	202.0	201017	18.93	UG/ML	96
65)	Terphenyl-d14	28.33	244.0	147610	19.62	UG/ML	82
66)	Butylbenzylphthalate	29.90	149.0	105716	18.78	UG/ML	93
67)	3,3'-Dichlorobenzidine	32.54	252.0	15498	25.31	UG/ML	95
68)	Benzo(a)anthracene	32.86	228.0	127245	27.02	UG/ML	98
69)	Chrysene	33.07	228.0	108622	22.49	UG/ML	97
70)	bis(2-Ethylhexyl)phthalate	32.39	149.0	144665	19.38	UG/ML	98
71)	*Perylene-d12	44.42	264.0	80020	20.00	UG/ML	93
72)	Di-n-octylphthalate	36.67	149.0	194925	17.85	UG/ML	100
73)	Benzo(b)fluoranthene	40.58	252.0	98025	20.87	UG/ML	95
74)	Benzo(k)fluoranthene	40.82	252.0	95167M	20.58	UG/ML	96
75)	Benzo(a)pyrene	43.84	252.0	80481	21.58	UG/ML	97
76)	Indeno(1,2,3-cd)pyrene	59.23	276.0	62624	25.84	UG/ML	93
77)	Dibenz(a,h)anthracene	59.73	278.0	59223	25.51	UG/ML	92
78)	Benzo(g,h,i)perylene	63.93	276.0	61190	27.02	UG/ML	91

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V0702::A0
Name: 10/7/94
Misc: SSTD50 25 ug/mL

Quant Output File: ^V0702::D1
Instrument ID: MACH-2

BTL# 3

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07

Last Qcal Time: 941006 22:58

Operator ID: ANDY
Quant Time : 941007 12:51
Injected at: 941007 11:43

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Instrument ID: MACH2 Calibration Date: 10/14/94 Time: 1745

Lab File ID: >V1402 Init. Calib. Date(s): 09/05/94 09/05/94

Init. Calib. Times: 1150 1641

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Benzo(a)anthracene	1.080	1.041	0.800	3.6	25.0
Chrysene	0.939	0.892	0.700	5.0	25.0
Benzo(b)fluoranthene	1.270	1.096	0.700	13.7	25.0
Benzo(k)fluoranthene	1.229	1.021	0.700	16.9	25.0
Benzo(a)pyrene	0.981	0.910	0.700	7.3	25.0
Indeno(1,2,3-cd)pyrene	0.596	0.822	0.500	-37.9	25.0
Dibenz(a,h)anthracene	0.571	0.759	0.400	-32.8	25.0
Nitrobenzene-d5	0.353	0.385	0.200	-9.1	25.0
2-Fluorobiphenyl	0.910	1.195	0.700	-31.3	25.0
Terphenyl-d14	1.034	1.151	0.500	-11.3	25.0
1,2-Dichlorobenzene-d4	0.892	0.800	0.400	10.4	25.0

All other compounds must meet a minimum RRF of 0.010.

Operator ID: ANDY
Output File: ^V1402::D2
Data File: >V1402::A4
Name: 10/14/94
Misc: SSTD50 25 UG/ML

Quant Rev: 7
Quant Time: 941014 18:46
Injected at: 941014 17:45
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 3

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941013 18:15

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	10.75	152.0	36846	20.00	UG/ML	59
2)	2-Fluorophenol	6.90	112.0	48141	23.87	UG/ML	87
3)	Phenol-d5	9.59	99.0	65146	23.80	UG/ML	90
4)	2-Chlorophenol-d4	10.10	132.0	52020	24.54	UG/ML	95
5)	1,2-Dichlorobenzene-d4	11.18	152.0	36875	24.87	UG/ML	58
6)	Phenol	9.63	94.0	71077	23.35	UG/ML	80
7)	bis(2-Chloroethyl)ether	9.96	93.0	55582	23.68	UG/ML	94
8)	2-Chlorophenol	10.14	128.0	55155	24.80	UG/ML	62
9)	1,3-Dichlorobenzene	10.59	146.0	62301	24.78	UG/ML	96
10)	1,4-Dichlorobenzene	10.80	146.0	62093	24.57	UG/ML	98
11)	1,2-Dichlorobenzene	11.24	146.0	58593	24.60	UG/ML	95
12)	2-Methylphenol	11.37	108.0	51699	24.25	UG/ML	97
13)	2,2'-oxybis(1-Chloropropane)	11.47	45.0	87859	20.93	UG/ML	96
14)	4-Methylphenol	11.80	108.0	55478	24.82	UG/ML	99
15)	N-Nitroso-Di-n-propylamine	11.85	70.0	44443	24.81	UG/ML	89
16)	Hexachloroethane	12.19	117.0	47972	25.07	UG/ML	78
17)	*Naphthalene-d8	14.31	136.0	132056	20.00	UG/ML	97
18)	Nitrobenzene-d5	12.31	82.0	63481	25.67	UG/ML	52
19)	Nitrobenzene	12.36	77.0	68324	25.83	UG/ML	97
20)	Isophorone	13.01	82.0	119578	25.38	UG/ML	83
21)	2-Nitrophenol	13.24	139.0	33548	25.87	UG/ML	89
22)	2,4-Dimethylphenol	13.29	107.0	56860	26.43	UG/ML	99
23)	bis(2-Chloroethoxy)methane	13.56	93.0	74917	24.36	UG/ML	96
24)	2,4-Dichlorophenol	13.89	162.0	48447	26.40	UG/ML	93
25)	1,2,4-Trichlorobenzene	14.14	180.0	54686	25.82	UG/ML	92
26)	Naphthalene	14.38	128.0	152805	25.04	UG/ML	99
27)	4-Chloroaniline	14.50	127.0	29240	38.60	UG/ML	90
28)	Hexachlorobutadiene	14.67	225.0	40046	28.28	UG/ML	99
29)	4-Chloro-3-methylphenol	15.76	107.0	55971	26.56	UG/ML	94
30)	2-Methylnaphthalene	16.27	142.0	94709	26.27	UG/ML	96
31)	*Acenaphthene-d10	19.12	164.0	74209	20.00	UG/ML	97
32)	Hexachlorocyclopentadiene	16.67	237.0	20186	39.11	UG/ML	98
33)	2,4,6-Trichlorophenol	17.01	196.0	37716	26.13	UG/ML	94
34)	2,4,5-Trichlorophenol	17.11	196.0	39564	26.43	UG/ML	94
35)	2-Chloronaphthalene	17.61	162.0	91584	21.59	UG/ML	95
36)	2-Fluorobiphenyl	17.24	172.0	110857	25.56	UG/ML	96
37)	2-Nitroaniline	17.86	65.0	38476	26.64	UG/ML	92
38)	Dimethylphthalate	18.29	163.0	109987	25.98	UG/ML	98
39)	Acenaphthylene	18.75	152.0	135608	25.17	UG/ML	95
40)	2,6-Dinitrotoluene	18.48	165.0	28567	25.57	UG/ML	92
41)	3-Nitroaniline	18.96	138.0	18219	72.19	UG/ML	89
42)	Acenaphthene	19.21	153.0	97521	25.35	UG/ML	95
44)	4-Nitrophenol	19.34	109.0	11132	41.17	UG/ML	34

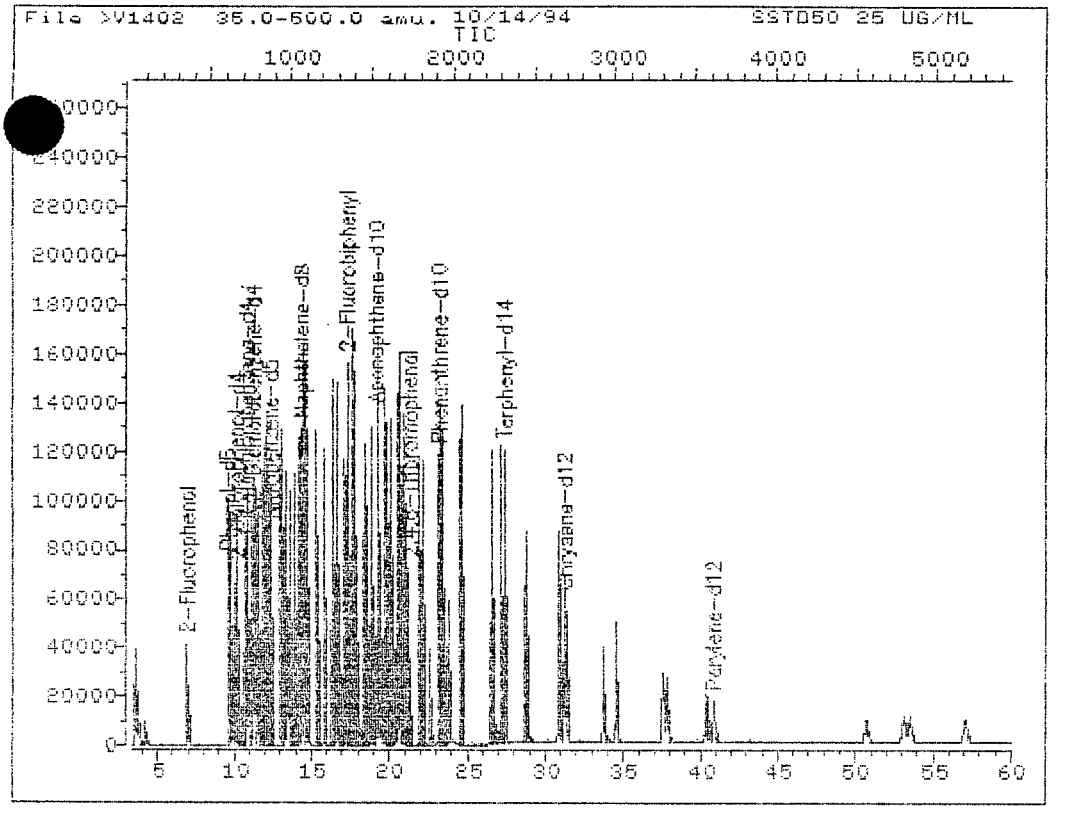
Operator ID: ANDY Quant Rev: 7 Quant Time: 941014 18:46
Output File: ^V1402::D2 Injected at: 941014 17:45
Data File: >V1402::A4 Dilution Factor: 1.00000
Name: 10/14/94 Instrument ID: MACH-2
Misc: SSTD50 25 UG/ML BTL# 3

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941013 18:15

	Compound	R.T.	Q ion	Area	Conc	Units	q
45)	Dibenzofuran	19.67	168.0	135022	26.35	UG/ML	93
46)	2,4-Dinitrotoluene	19.58	165.0	33133	27.79	UG/ML	77
47)	Diethylphthalate	20.17	149.0	107237	26.40	UG/ML	94
48)	4-Chlorophenyl-phenylether	20.54	204.0	59800	27.09	UG/ML	75
49)	Fluorene	20.61	166.0	102336	26.03	UG/ML	99
50)	4-Nitroaniline	20.61	138.0	15188	35.23	UG/ML	77
51)	*Phenanthrene-d10	23.14	188.0	115949	20.00	UG/ML	87
52)	4,6-Dinitro-2-methylphenol	20.68	198.0	17818	30.01	UG/ML	90
53)	N-Nitrosodiphenylamine	20.86	169.0	64380	25.78	UG/ML	96
54)	2,4,6-Tribromophenol	21.24	330.0	25429	30.97	UG/ML	95
55)	4-Bromophenyl-phenylether	21.87	248.0	40753	28.00	UG/ML	81
56)	Hexachlorobenzene	22.07	284.0	47172	30.08	UG/ML	78
57)	Pentachlorophenol	22.58	266.0	15894	30.26	UG/ML	98
58)	Phenanthrene	23.21	178.0	135032	24.69	UG/ML	98
59)	Anthracene	23.35	178.0	130406	25.29	UG/ML	98
60)	Carbozole	23.75	167.0	114825	28.14	UG/ML	94
61)	Di-n-butylphthalate	24.51	149.0	161441	24.65	UG/ML	96
62)	Fluoranthene	26.41	202.0	129764	25.58	UG/ML	79
63)	*Chrysene-d12	31.20	240.0	72964	20.00	UG/ML	97
64)	Pyrene	26.41	202.0	129764	22.21	UG/ML	83
65)	Terphenyl-d14	27.32	244.0	104984	24.58	UG/ML	77
66)	Butylbenzylphthalate	28.70	149.0	58419	21.05	UG/ML	89
67)	3,3'-Dichlorobenzidine	30.90	252.0	22136	45.87	UG/ML	98
68)	Benzo(a)anthracene	31.15	228.0	94961	24.19	UG/ML	98
69)	Chrysene	31.33	228.0	81333	24.27	UG/ML	96
70)	bis(2-Ethylhexyl)phthalate	30.84	149.0	79450	20.77	UG/ML	94
71)	*Perylene-d12	40.79	264.0	61005	20.00	UG/ML	93
72)	Di-n-octylphthalate	34.43	149.0	119198	16.17	UG/ML	100
73)	Benzo(b)fluoranthene	37.59	252.0	83830	23.21	UG/ML	93
74)	Benzo(k)fluoranthene	37.80	252.0	59936	16.97	UG/ML	92
75)	Benzo(a)pyrene	40.31	252.0	69623	23.90	UG/ML	94
76)	Indeno(1,2,3-cd)pyrene	53.07	276.0	62913	29.52	UG/ML	97
77)	Dibenz(a,h)anthracene	53.48	278.0	58065	28.65	UG/ML	99
78)	Benzo(g,h,i)perylene	56.96	276.0	65169	29.12	UG/ML	91

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V1402::A4 Quant Output File: ^V1402::D2
Name: 10/14/94 Instrument ID: MACH-2
Misc: SSTD50 25 UG/ML BTL# 3

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 941013 18:15

Operator ID: ANDY
Quant Time : 941014 18:46
Injected at: 941014 17:45

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: New England Testing Lab Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL19-1

Instrument ID: MACH2 Calibration Date: 10/17/94 Time: 1710

Lab File ID: >V1705 Init. Calib. Date(s): 09/05/94 09/05/94

Init. Calib. Times: 1150 1641

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Benzo(a)anthracene	1.080	1.086	0.800	-0.6	25.0
Chrysene	0.939	0.919	0.700	2.1	25.0
Benzo(b)fluoranthene	1.270	1.021	0.700	19.6	25.0
Benzo(k)fluoranthene	1.229	1.033	0.700	16.0	25.0
Benzo(a)pyrene	0.981	0.909	0.700	7.3	25.0
Indeno(1,2,3-cd)pyrene	0.596	0.761	0.500	-27.7	25.0
Dibenz(a,h)anthracene	0.571	0.748	0.400	-30.9	25.0
Nitrobenzene-d5	0.353	0.371	0.200	-5.1	25.0
2-Fluorobiphenyl	0.910	1.091	0.700	-19.9	25.0
Terphenyl-d14	1.034	1.304	0.500	-26.1	25.0
1,2-Dichlorobenzene-d4	0.892	0.809	0.400	9.3	25.0

All other compounds must meet a minimum RRF of 0.010.

Operator ID: ANDY
Output File: ^V1705::D2
Data File: >V1705::A4
Name: 10/17/94
Misc: SSTD50 25 UG/ML

Quant Rev: 7
Quant Time: 941017 18:12
Injected at: 941017 17:10
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 6

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941014 17:45

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	10.65	152.0	59154	20.00	UG/ML	64
2)	2-Fluorophenol	6.78	112.0	77990	25.23	UG/ML	96
3)	Phenol-d5	9.49	99.0	106003	25.34	UG/ML	88
4)	2-Chlorophenol-d4	9.99	132.0	85079	25.47	UG/ML	97
5)	1,2-Dichlorobenzene-d4	11.09	152.0	59855	25.28	UG/ML	57
6)	Phenol	9.54	94.0	116054	25.43	UG/ML	76
7)	bis(2-Chloroethyl)ether	9.86	93.0	91881	25.74	UG/ML	92
8)	2-Chlorophenol	10.05	128.0	90035	25.42	UG/ML	63
9)	1,3-Dichlorobenzene	10.48	146.0	100403	25.10	UG/ML	98
10)	1,4-Dichlorobenzene	10.69	146.0	100460	25.19	UG/ML	95
11)	1,2-Dichlorobenzene	11.13	146.0	95170	25.29	UG/ML	97
12)	2-Methylphenol	11.27	108.0	86274	25.99	UG/ML	97
13)	2,2'-oxybis(1-Chloropropane)	11.38	45.0	145658	25.82	UG/ML	97
14)	4-Methylphenol	11.70	108.0	91793	25.77	UG/ML	98
15)	N-Nitroso-Di-n-propylamine	11.75	70.0	70878	24.83	UG/ML	89
16)	Hexachloroethane	12.09	117.0	76375	24.79	UG/ML	80
17)	*Naphthalene-d8	14.22	136.0	225096	20.00	UG/ML	97
18)	Nitrobenzene-d5	12.20	82.0	104290	24.10	UG/ML	52
19)	Nitrobenzene	12.26	77.0	111255	23.88	UG/ML	97
20)	Isophorone	12.91	82.0	207000	25.39	UG/ML	82
21)	2-Nitrophenol	13.14	139.0	55072	24.08	UG/ML	97
22)	2,4-Dimethylphenol	13.20	107.0	95609	24.66	UG/ML	97
23)	bis(2-Chloroethoxy)methane	13.48	93.0	127047	24.87	UG/ML	97
24)	2,4-Dichlorophenol	13.79	162.0	80152	24.26	UG/ML	92
25)	1,2,4-Trichlorobenzene	14.04	180.0	88269	23.67	UG/ML	90
26)	Naphthalene	14.28	128.0	259211	24.88	UG/ML	99
27)	4-Chloroaniline	14.42	127.0	43778	21.96	UG/ML	91
28)	Hexachlorobutadiene	14.58	225.0	55916	20.48	UG/ML	99
29)	4-Chloro-3-methylphenol	15.67	107.0	96823	25.37	UG/ML	96
30)	2-Methylnaphthalene	16.17	142.0	166111	25.72	UG/ML	94
31)	*Acenaphthene-d10	19.02	164.0	137233	20.00	UG/ML	96
32)	Hexachlorocyclopentadiene	16.57	237.0	26008	17.42	UG/ML	97
33)	2,4,6-Trichlorophenol	16.91	196.0	62306	22.33	UG/ML	93
34)	2,4,5-Trichlorophenol	17.01	196.0	64780	22.13	UG/ML	94
35)	2-Chloronaphthalene	17.51	162.0	164203	24.24	UG/ML	96
36)	2-Fluorobiphenyl	17.14	172.0	187180	22.83	UG/ML	96
37)	2-Nitroaniline	17.75	65.0	69795	24.52	UG/ML	82
38)	Dimethylphthalate	18.19	163.0	206718	25.41	UG/ML	98
39)	Acenaphthylene	18.65	152.0	251174	25.04	UG/ML	95
40)	2,6-Dinitrotoluene	18.38	165.0	54782	25.92	UG/ML	93
41)	3-Nitroaniline	18.85	138.0	26780	19.87	UG/ML	90
42)	Acenaphthene	19.10	153.0	178563	24.75	UG/ML	94
45)	Dibenzofuran	19.56	168.0	248900	24.92	UG/ML	91

Operator ID: ANDY
Output File: ^V1705::D2
Data File: >V1705::A4
Name: 10/17/94
Misc: SSTD50 25 UG/ML

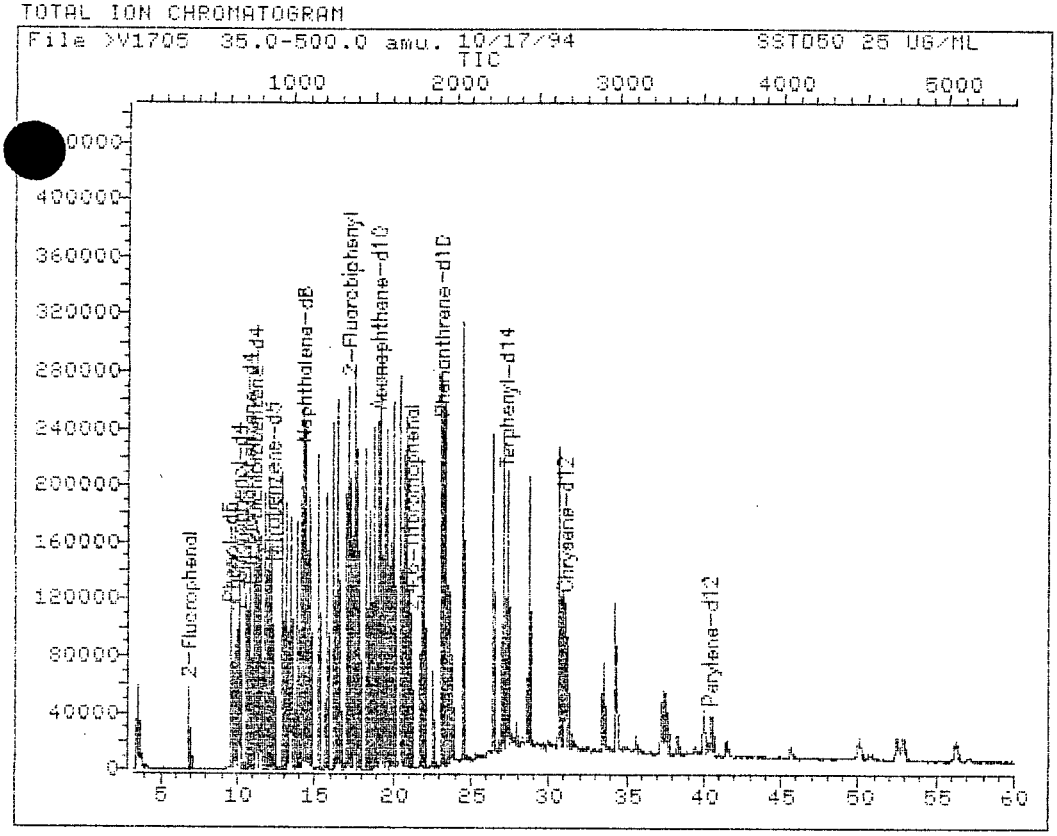
Quant Rev: 7
Quant Time: 941017 18:12
Injected at: 941017 17:10
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 6

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 941014 17:45

	Compound	R.T.	Q ion	Area	Conc	Units	q
46)	2,4-Dinitrotoluene	19.48	165.0	66686	27.21	UG/ML	77
47)	Diethylphthalate	20.06	149.0	214359	27.02	UG/ML	94
48)	4-Chlorophenyl-phenylether	20.44	204.0	103788	23.46	UG/ML	75
49)	Fluorene	20.49	166.0	193009	25.50	UG/ML	98
50)	4-Nitroaniline	20.51	138.0	16553	14.73	UG/ML	71
51)	*Phenanthrene-d10	23.03	188.0	228523	20.00	UG/ML	91
52)	4,6-Dinitro-2-methylphenol	20.57	198.0	30928	22.02	UG/ML	90
53)	N-Nitrosodiphenylamine	20.75	169.0	129223	25.46	UG/ML	96
54)	2,4,6-Tribromophenol	21.13	330.0	31675	15.80	UG/ML	97
55)	4-Bromophenyl-phenylether	21.76	248.0	65231	20.30	UG/ML	84
56)	Hexachlorobenzene	21.97	284.0	71262	19.16	UG/ML	85
57)	Pentachlorophenol	22.47	266.0	25108	20.04	UG/ML	97
58)	Phenanthrene	23.10	178.0	268342	25.21	UG/ML	98
59)	Anthracene	23.24	178.0	254289	24.73	UG/ML	98
60)	Carbozole	23.63	167.0	214805	23.73	UG/ML	95
61)	Di-n-butylphthalate	24.40	149.0	364363	28.63	UG/ML	96
62)	Fluoranthene	26.29	202.0	240683	23.53	UG/ML	83
63)	*Chrysene-d12	31.00	240.0	105063	20.00	UG/ML	97
64)	Pyrene	26.29	202.0	240683	32.20	UG/ML	87
65)	Terphenyl-d14	27.20	244.0	171205	28.31	UG/ML	81
66)	Butylbenzylphthalate	28.57	149.0	130234	38.71	UG/ML	94
67)	3,3'-Dichlorobenzidine	30.71	252.0	29641	23.25	UG/ML	99
68)	Benzo(a)anthracene	30.96	228.0	142651	26.08	UG/ML	98
69)	Chrysene	31.13	228.0	120749	25.78	UG/ML	95
70)	bis(2-Ethylhexyl)phthalate	30.66	149.0	179208	39.16	UG/ML	98
71)	*Perylene-d12	40.38	264.0	83306M	20.00	UG/ML	93
72)	Di-n-octylphthalate	34.17	149.0	264536	40.77	UG/ML	100
73)	Benzo(b)fluoranthene	37.26	252.0	106316	23.30	UG/ML	95
74)	Benzo(k)fluoranthene	37.46	252.0	107570M	25.28	UG/ML	95
75)	Benzo(a)pyrene	39.90	252.0	94681	24.98	UG/ML	99
76)	Indeno(1,2,3-cd)pyrene	52.37	276.0	79271	23.14	UG/ML	87
77)	Dibenz(a,h)anthracene	52.76	278.0	77901	24.64	UG/ML	90
78)	Benzo(g,h,i)perylene	56.16	276.0	82717	23.31	UG/ML	86

* Compound is ISTD

TOTAL ION CHROMATOGRAM



Data File: >V1705::A4
Name: 10/17/94
Misc: SSTD50 25 UG/ML

Quant Output File: ^V1705::D2
Instrument ID: MACH-2

BTL# 6

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07

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Quant Time : 941017 18:12
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