

US EPA ARCHIVE DOCUMENT

RETEC

Wildwood G & H
BREAK: 7.6
Other: 55.36.29

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

**APPENDIX V
CLP DATA Packages**



SDMS DocID 553629

**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



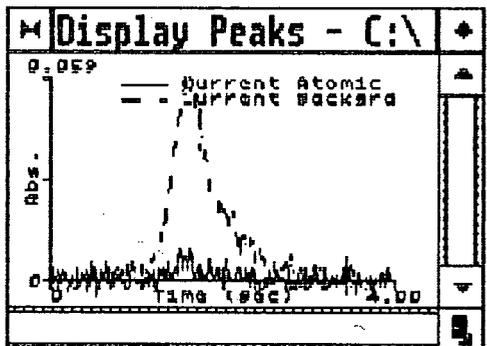
QC sample is within range 22.5 - 27.5

As ID: CCB Seq. No.: 00027 A/S Pos.: 2 Date: 10/21/94

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

Replicate 1 Time: 12:52
Peak Area (A-s): 0.001 Peak Height (A): 0.008
Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.058
Blank Corrected Pk Area (A-s): -0.002
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: 12:55
Peak Area (A-s): 0.004 Peak Height (A): 0.009
Background Pk Area (A-s): 0.038 Background Pk Height (A): 0.059
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.3 Corrected Conc (mg/kg): -----



Mean Conc (ug/L): -0.2 SD: 0.64 RSD(%): 349.92
Corrected Conc (mg/kg): -----

QC sample is within range -10.0 - 10.0

As ID: A22D MS Seq. No.: 00028 A/S Pos.: 18 Date: 10/21/94

uL dispensed: 4 from 2, 5 from 1, 20 from 18

Sample abs. is greater than that of the largest standard.

Replicate 1 Time: 12:58
Peak Area (A-s): 0.174 Peak Height (A): 0.295
Background Pk Area (A-s): 0.262 Background Pk Height (A): 0.194
Blank Corrected Pk Area (A-s): 0.171
Concentration (ug/L): 62.1 Corrected Conc (mg/kg): -----

IX
Per attend of batch

As ID: A22D MS Seq. No.: 00029 A/S Pos.: 18 Date: 10/21/94

uL dispensed: 20 from 2, 5 from 1, 4 from 18

Replicate 1 Time: 13:00
Peak Area (A-s): 0.028 Peak Height (A): 0.059
Background Pk Area (A-s): 0.060 Background Pk Height (A): 0.056
Blank Corrected Pk Area (A-s): 0.025
Concentration (ug/L): 9.2 Corrected Conc (mg/kg): -----

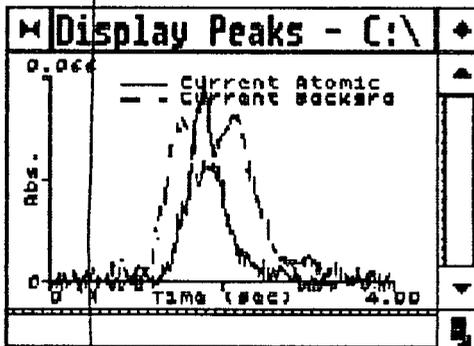
0225

uL dispensed: 20 from 2, 5 from 1, 4 from 18

Replicate 2 (Peak Stored)
Peak Area (A-s): 0.029
Background Pk Area (A-s): 0.062
Blank Corrected Pk Area (A-s): 0.026
Concentration (ug/L): 9.5

Time: 13:03
Peak Height (A): 0.066
Background Pk Height (A): 0.056
Corrected Conc (mg/kg): -----

22222

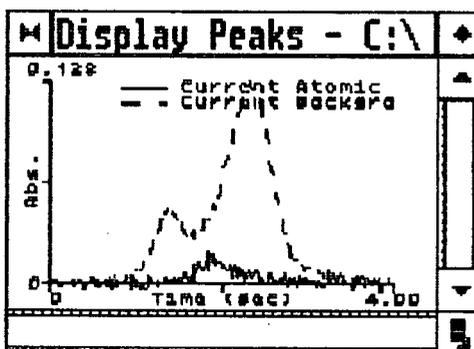


Mean Conc (ug/L): 9.3 SD: 0.18 RSD(%): 1.97
Corrected Conc (mg/kg): -----

As ID: 1005-02 A11D Seq. No.: 00030 A/S Pos.: 19 Date: 10/21/94

MS-LD
uL dispensed: 4 from 2, 5 from 1, 20 from 19
Replicate 1 Time: 13:06
Peak Area (A-s): 0.013 Peak Height (A): 0.021
Background Pk Area (A-s): 0.113 Background Pk Height (A): 0.128
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 3.5 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 19
Replicate 2 (Peak Stored) Time: 13:09
Peak Area (A-s): 0.011 Peak Height (A): 0.021
Background Pk Area (A-s): 0.115 Background Pk Height (A): 0.128
Blank Corrected Pk Area (A-s): 0.008
Concentration (ug/L): 2.8 Corrected Conc (mg/kg): -----



0226

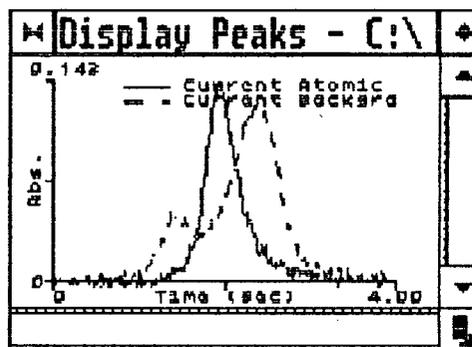
Mean Conc (ug/L): 3.2 SD: 0.50 RSD(%): 15.70
Corrected Conc (mg/kg): -----

MS-ID
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%

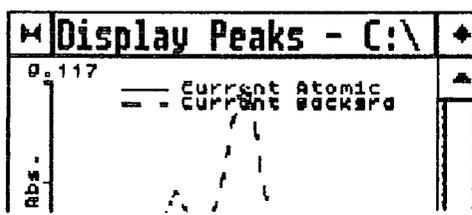


Mean Conc (ug/L): 25.3 SD: 0.84 RSD(%): 3.34
Corrected Conc (mg/kg): -----

Recovery is 110.8%

MS-ID
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): -----



W



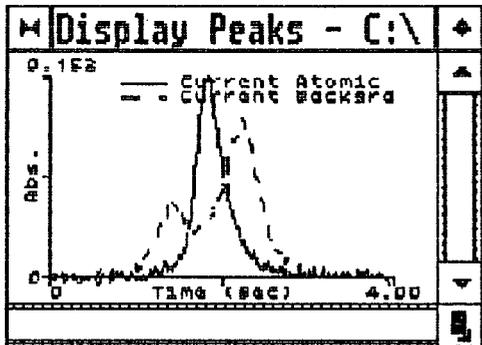
Mean Conc (ug/L): 1.7 SD: 0.15 RSD(%): 8.95
 Corrected Conc (mg/kg): -----

As ID: 1005-02 A11C *A* Seq. No.: 00033 A/S Pos.: 20 Date: 10/21/94

MS-KR
 uL dispensed: 5 from 1, 4 from 7, 20 from 20
 Replicate 1 Time: 13:24
 Peak Area (A-s): 0.067 Peak Height (A): 0.157
 Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.116
 Blank Corrected Pk Area (A-s): 0.064
 Concentration (ug/L): 23.2 Corrected Conc (mg/kg): -----

uL dispensed: 5 from 1, 4 from 7, 20 from 20
 Replicate 2 (Peak Stored) Time: 13:27
 Peak Area (A-s): 0.068 Peak Height (A): 0.152
 Background Pk Area (A-s): 0.098 Background Pk Height (A): 0.121
 Blank Corrected Pk Area (A-s): 0.065
 Concentration (ug/L): 23.5 Corrected Conc (mg/kg): -----

116.5
108.0%



Mean Conc (ug/L): 23.3 SD: 0.21 RSD(%): 0.89
 Corrected Conc (mg/kg): -----

Recovery is 108.0%

As ID: CCV Seq. No.: 00034 A/S Pos.: 4 Date: 10/21/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
 Replicate 1 Time: 13:30
 Peak Area (A-s): 0.071 Peak Height (A): 0.236
 Background Pk Area (A-s): 0.041 Background Pk Height (A): 0.062
 Blank Corrected Pk Area (A-s): 0.068
 Concentration (ug/L): 24.8 Corrected Conc (mg/kg): -----

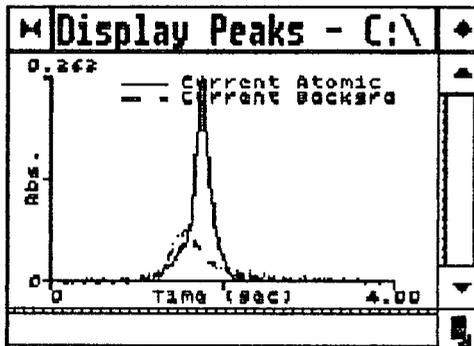
uL dispensed: 4 from 2, 5 from 1, 20 from 4
 Replicate 2 (Peak Stored) Time: 13:32
 Peak Area (A-s): 0.070 Peak Height (A): 0.263
 Background Pk Area (A-s): 0.044 Background Pk Height (A): 0.067
 Blank Corrected Pk Area (A-s): 0.067

0228

Concentration (ug/L): 24.4

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

98.4%



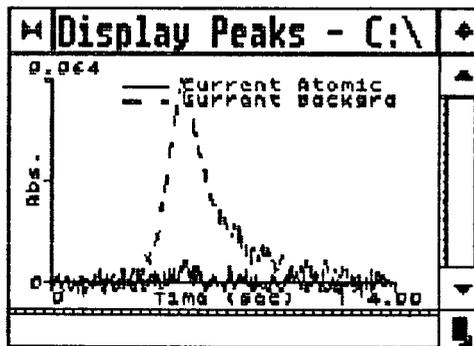
Mean Conc (ug/L): 24.6 SD: 0.30 RSD(%): 1.20
 Corrected Conc (mg/kg): -----

QC sample is within range 22.5 - 27.5

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): -----

QC sample is within range -10.0 - 10.0

1021AS.DAT
(cont.)

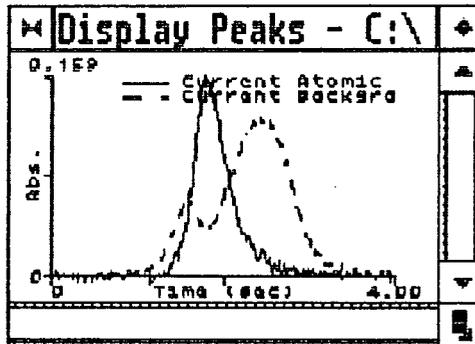
AM
10/21/94

As ID: A22D MS Seq. No.: 00036 A/S Pos.: 18 Date: 10/21/94

uL dispensed: 4 from 2, 5 from 1, 20 from 18
Replicate 1 Time: 14:41
Peak Area (A-s): 0.081 Peak Height (A): 0.158
Background Pk Area (A-s): 0.125 Background Pk Height (A): 0.125
Blank Corrected Pk Area (A-s): 0.078
Concentration (ug/L): 28.4 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 18
Replicate 2 (Peak Stored) Time: 14:44
Peak Area (A-s): 0.082 Peak Height (A): 0.159
Background Pk Area (A-s): 0.137 Background Pk Height (A): 0.130
Blank Corrected Pk Area (A-s): 0.079
Concentration (ug/L): 28.7 Corrected Conc (mg/kg): -----

2x dilution
+v=50
12 in sample
90% R

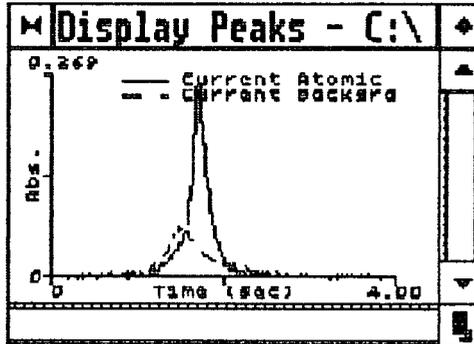


Mean Conc (ug/L): 28.5 SD: 0.18 RSD(%): 0.64
Corrected Conc (mg/kg): -----

As ID: CCV Seq. No.: 00037 A/S Pos.: 4 Date: 10/21/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 1 Time: 14:46
Peak Area (A-s): 0.075 Peak Height (A): 0.261
Background Pk Area (A-s): 0.042 Background Pk Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.072
Concentration (ug/L): 26.1 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 4
Replicate 2 (Peak Stored) Time: 14:49
Peak Area (A-s): 0.072 Peak Height (A): 0.269
Background Pk Area (A-s): 0.043 Background Pk Height (A): 0.068
Blank Corrected Pk Area (A-s): 0.069
Concentration (ug/L): 25.1 Corrected Conc (mg/kg): -----



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

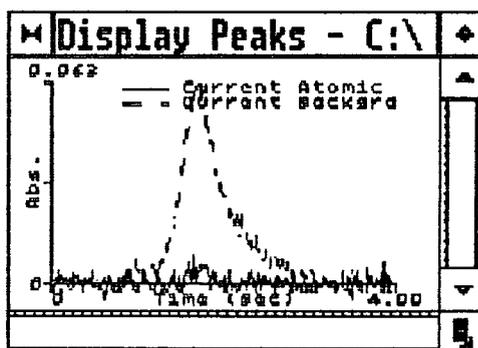
As ID: CCB Seq. No.: 00038 A/S Pos.: 2 Date: 10/21/94

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

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

JM
10/20/94

3
23
50
100

calib stds
J+M

Pb
CLP-Soils
E1005-02

JCV = Spex GC19

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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

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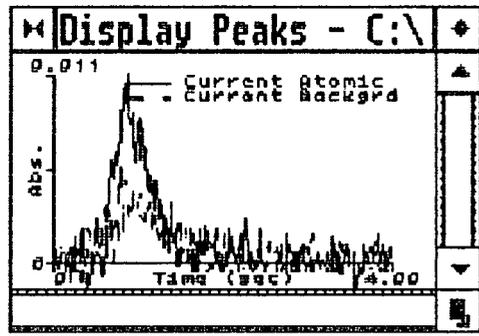
uL dispensed: 4 from 2, 5 from 1, 20 from 2
Replicate 1 (Peak Stored)      Time: 11:06
Peak Area (A-s): 0.005        Peak Height (A): 0.010
Background Pk Area (A-s): 0.003  Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L ): -0.2

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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

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

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Auto-zero performed.

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

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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

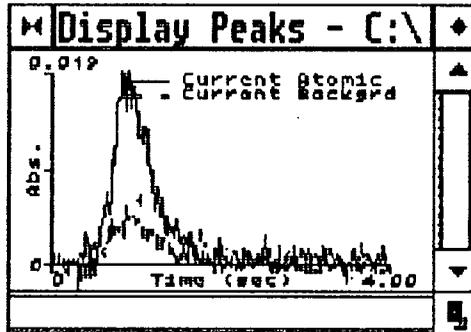
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uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 2 (Peak Stored)      Time: 11:14
Peak Area (A-s): 0.011        Peak Height (A): 0.019
Background Pk Area (A-s): 0.004  Background Pk Height (A): 0.007
Blank Corrected Pk Area (A-s): 0.006

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0234



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

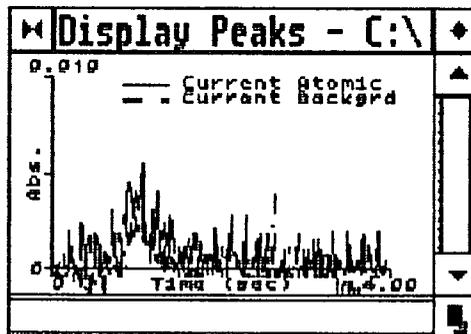
~~~~~  
 Pb ID: BLANK Seq. No.: 00003 A/S Pos.: 2 Date: 10/20/94

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

Replicate 1 (Peak Stored) Time: 11:17  
 Peak Area (A-s): 0.001 Peak Height (A): 0.005  
 Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.005  
 Blank Corrected Pk Area (A-s): -0.004  
 Concentration (ug/L) : -2.3

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

Replicate 2 (Peak Stored) Time: 11:20  
 Peak Area (A-s): 0.002 Peak Height (A): 0.006  
 Background Pk Area (A-s): 0.000 Background Pk Height (A): 0.005  
 Blank Corrected Pk Area (A-s): -0.004  
 Concentration (ug/L) : -2.1



0235

Mean Conc (ug/L) : -2.2 SD: 0.14 RSD(%): 6.19

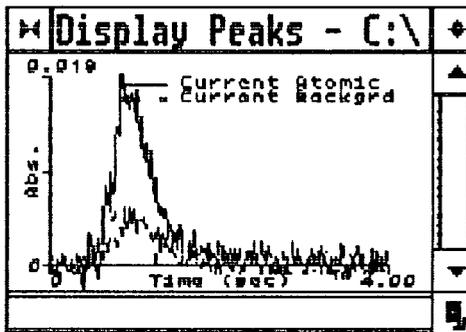
Auto-zero performed.

~~~~~

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

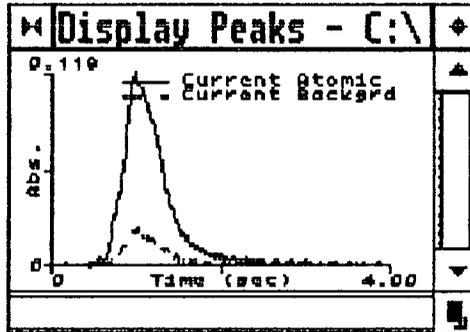


Mean Conc (ug/L): 4.8 SD: 0.03 RSD(%): 0.71

Standard number 1 applied. [3.0]
Correlation coefficient: 1.00000 Slope: 0.0027 Int: 0.000

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



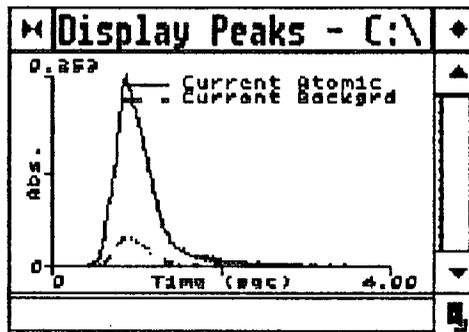
Mean Conc (ug/L): 24.1 SD: 0.14 RSD(%): 0.56

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

~~~~~  
 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

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

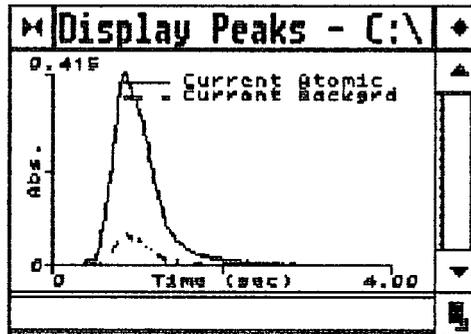
Replicate 1 (Peak Stored)  
Peak Area (A-s): 0.246  
Background Pk Area (A-s): 0.042  
Blank Corrected Pk Area (A-s): 0.244  
Concentration (ug/L ): 94.3

Time: 11:39  
Peak Height (A): 0.416  
Background Pk Height (A): 0.075

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

Replicate 2 (Peak Stored)  
Peak Area (A-s): 0.241  
Background Pk Area (A-s): 0.042  
Blank Corrected Pk Area (A-s): 0.239  
Concentration (ug/L ): 92.3

Time: 11:42  
Peak Height (A): 0.415  
Background Pk Height (A): 0.077



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

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

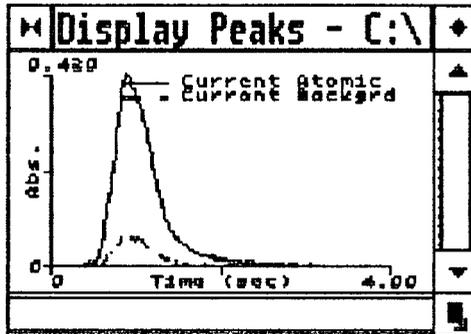
Replicate 1 (Peak Stored)  
Peak Area (A-s): 0.240  
Background Pk Area (A-s): 0.042  
Blank Corrected Pk Area (A-s): 0.239  
Concentration (ug/L ): 97.5

Time: 11:49  
Peak Height (A): 0.415  
Background Pk Height (A): 0.071

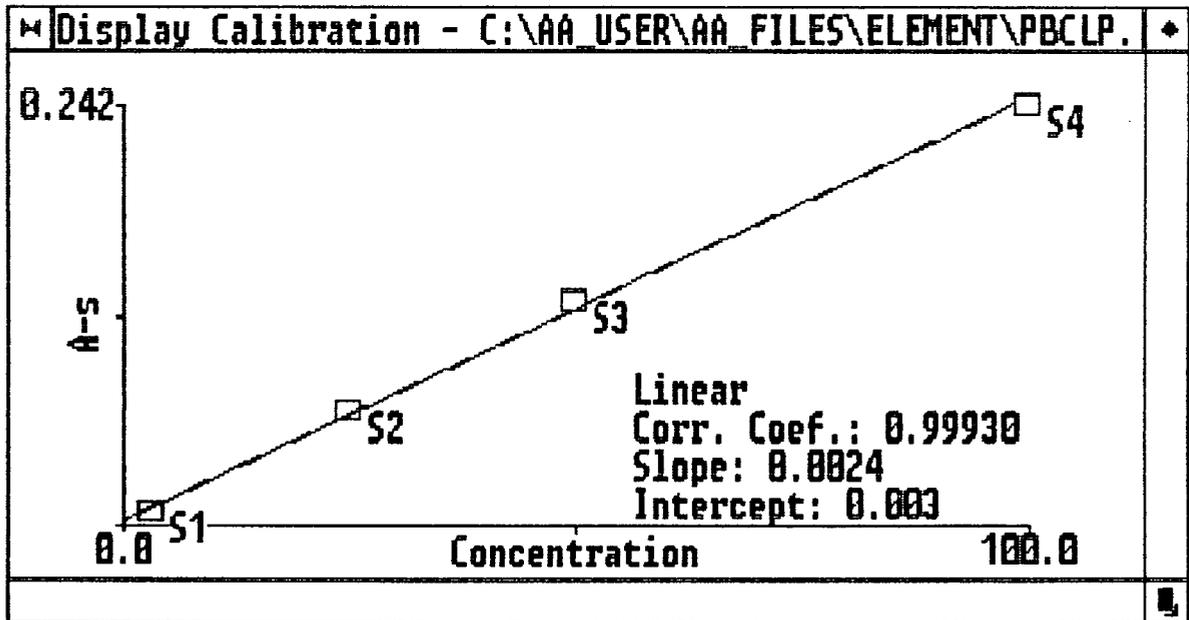
uL dispensed: 4 from 2, 5 from 1, 20 from 6

Replicate 2 (Peak Stored)  
Peak Area (A-s): 0.246  
Background Pk Area (A-s): 0.043  
Blank Corrected Pk Area (A-s): 0.245  
Concentration (ug/L ): 99.9

Time: 11:52  
Peak Height (A): 0.420  
Background Pk Height (A): 0.078



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

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 0239  
 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 ): -----

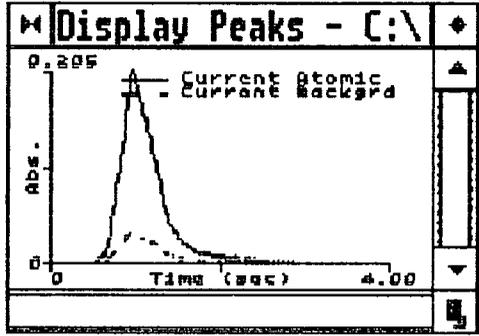
uL dispensed: 4 from 2, 5 from 1, 20 from 2  
Replicate 2 (Peak Stored)  
Peak Area (A-s): 0.106  
Background Pk Area (A-s): 0.020

Time: 12:15  
Peak Height (A): 0.205  
Background Pk Height (A): 0.036

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

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

Spex 0C19  
+V=40  
104.5%



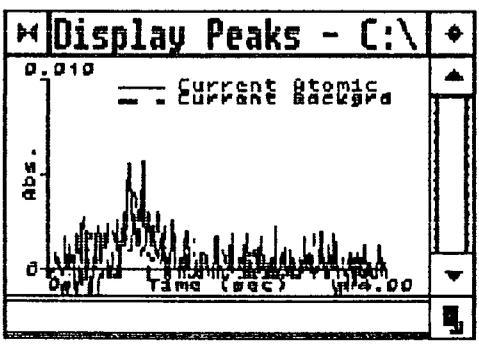
Mean Conc (ug/L ): 41.8 SD: 0.01 RSD(%): 0.01  
Corrected Conc (mg/kg ): -----

QC sample is within range 36.0 - 44.0

~~~~~  
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): -----

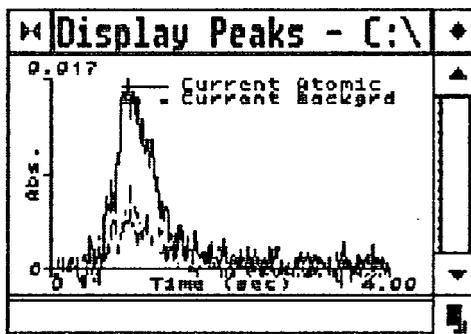
QC sample is within range -3.0 - 3.0

Pb ID: CRA Seq. No.: 00011 A/S Pos.: 3 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 1 (Peak Stored) Time: 12:23
Peak Area (A-s): 0.009 Peak Height (A): 0.016
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006
Blank Corrected PK Area (A-s): 0.007
Concentration (ug/L): 2.0 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 3
Replicate 2 (Peak Stored) Time: 12:26
Peak Area (A-s): 0.009 Peak Height (A): 0.017
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.007
Blank Corrected PK Area (A-s): 0.008
Concentration (ug/L): 2.1 Corrected Conc (mg/kg): -----

3ppb



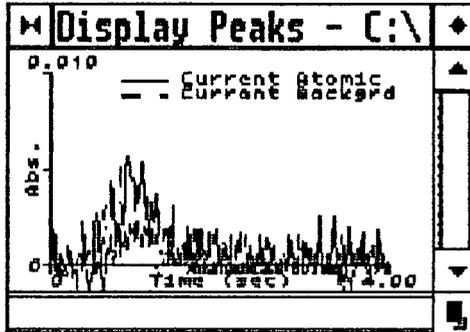
Mean Conc (ug/L): 2.0 SD: 0.03 RSD(%): 1.61
Corrected Conc (mg/kg): -----

QC sample is within range 1 - 10

Pb ID: PBLK-SOIL Seq. No.: 00012 A/S Pos.: 10 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 10
Replicate 1 (Peak Stored) Time: 12:28
Peak Area (A-s): 0.002 Peak Height (A): 0.007
Background Pk Area (A-s): 0.005 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 10
Replicate 2 (Peak Stored) Time: 12:31
Peak Area (A-s): 0.003 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): -0.7 Corrected Conc (mg/kg): -----



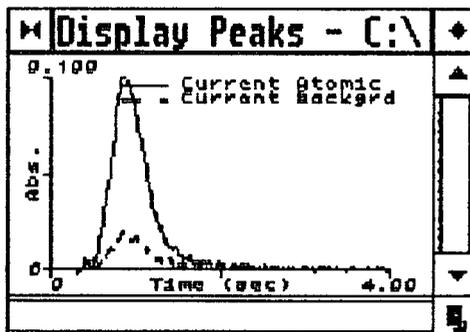
Mean Conc (ug/L): -0.8 SD: 0.20 RSD(%): 24.93
 Corrected Conc (mg/kg): -----

~~~~~  
 Pb ID: PBLK-SOIL . A Seq. No.: 00013 A/S Pos.: 10 Date: 10/20/94

uL dispensed: 5 from 1, 4 from 6, 20 from 10  
 Replicate 1 (Peak Stored) Time: 12:34  
 Peak Area (A-s): 0.055 Peak Height (A): 0.111  
 Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.021  
 Blank Corrected Pk Area (A-s): 0.053  
 Concentration (ug/L ): 20.9 Corrected Conc (mg/kg ): -----

uL dispensed: 5 from 1, 4 from 6, 20 from 10  
 Replicate 2 (Peak Stored) Time: 12:37  
 Peak Area (A-s): 0.052 Peak Height (A): 0.100  
 Background Pk Area (A-s): 0.013 Background Pk Height (A): 0.022  
 Blank Corrected Pk Area (A-s): 0.051  
 Concentration (ug/L ): 19.9 Corrected Conc (mg/kg ): -----

*20 ppb post spike  
 102.0%*



Mean Conc (ug/L ): 20.4 SD: 0.68 RSD(%): 3.34  
 Corrected Conc (mg/kg ): -----

Recovery is ~~100.9%~~

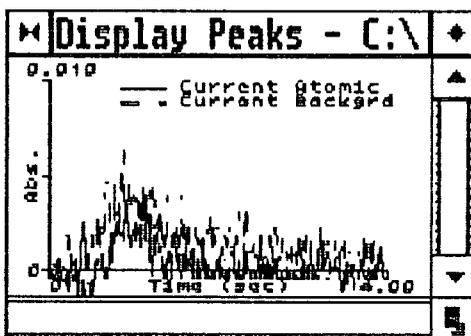
0242

~~~~~  
 Pb ID: PBLK-H2O Seq. No.: 00014 A/S Pos.: 11 Date: 10/20/94

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): -----



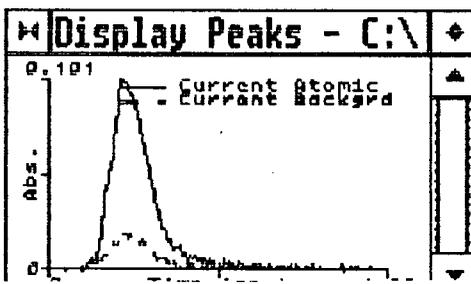
Mean Conc (ug/L): -1.1 SD: 0.04 RSD(%): 3.98
 Corrected Conc (mg/kg): -----

~~~~~  
 Pb ID: PBLK-H20 A 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 ): -----

*20 ppb post spike  
 105.5%*



0243

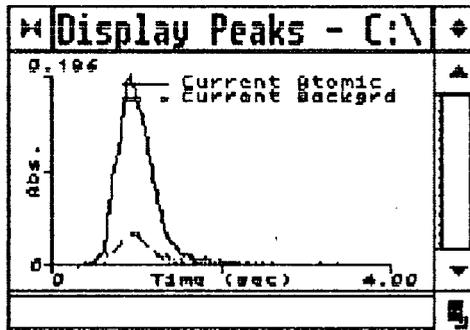
Mean Conc (ug/L ): 21.1 SD: 0.71 RSD(%): 3.38  
Corrected Conc (mg/kg ): -----

Recovery is ~~111.0%~~

Pb ID: LCS Seq. No.: 00016 A/S Pos.: 12 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 12  
Replicate 1 (Peak Stored) Time: 12:51  
Peak Area (A-s): 0.093 Peak Height (A): 0.181  
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.034  
Blank Corrected Pk Area (A-s): 0.091  
Concentration (ug/L ): 36.6 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 12  
Replicate 2 (Peak Stored) Time: 12:54  
Peak Area (A-s): 0.091 Peak Height (A): 0.186  
Background Pk Area (A-s): 0.019 Background Pk Height (A): 0.032  
Blank Corrected Pk Area (A-s): 0.090  
Concentration (ug/L ): 36.0 Corrected Conc (mg/kg ): -----



*Handwritten:* +V=40  
90.8%

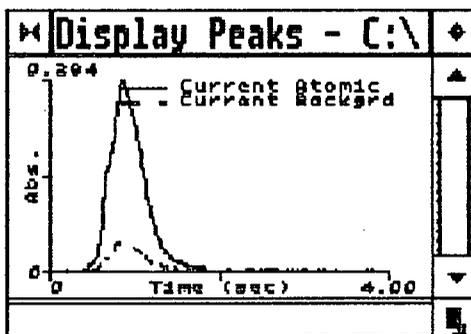
Mean Conc (ug/L ): 36.3 SD: 0.40 RSD(%): 1.11  
Corrected Conc (mg/kg ): -----

Pb ID: LCS • A Seq. No.: 00017 A/S Pos.: 12 Date: 10/20/94

uL dispensed: 5 from 1, 4 from 6, 20 from 12  
Replicate 1 (Peak Stored) Time: 12:57  
Peak Area (A-s): 0.141 Peak Height (A): 0.277  
Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.049  
Blank Corrected Pk Area (A-s): 0.139  
Concentration (ug/L ): 56.4 Corrected Conc (mg/kg ): -----

uL dispensed: 5 from 1, 4 from 6, 20 from 12  
Replicate 2 (Peak Stored) Time: 12:59  
Peak Area (A-s): 0.137 Peak Height (A): 0.284  
Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.048  
Blank Corrected Pk Area (A-s): 0.135  
Concentration (ug/L ): 54.8 Corrected Conc (mg/kg ): -----

0244



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

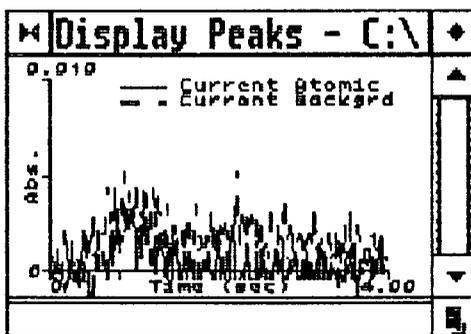
Recovery is 96.7%

*96.5%*

Pb ID: FIELD BLK Seq. No.: 00018 A/S Pos.: 13 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 13  
 Replicate 1 (Peak Stored) Time: 13:02  
 Peak Area (A-s): 0.002 Peak Height (A): 0.006  
 Background PK Area (A-s): 0.006 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 13  
 Replicate 2 (Peak Stored) Time: 13:05  
 Peak Area (A-s): 0.002 Peak Height (A): 0.004  
 Background PK Area (A-s): 0.006 Background PK Height (A): 0.005  
 Blank Corrected PK Area (A-s): 0.000  
 Concentration (ug/L ): -1.0 Corrected Conc (mg/kg ): -----



0245

Mean Conc (ug/L ): -0.9 SD: 0.02 RSD(%): 2.07  
 Corrected Conc (mg/kg ): -----

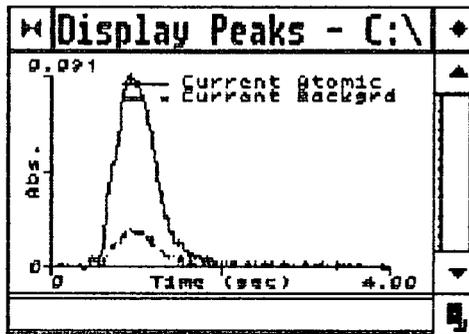
Pb ID: FIELD BLK *A* Seq. No.: 00019 A/S Pos.: 13 Date: 10/20/94

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 ): -----

107.5%



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

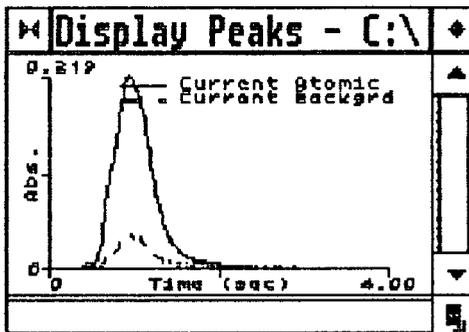
Recovery is 107.1%

~~~~~  
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%



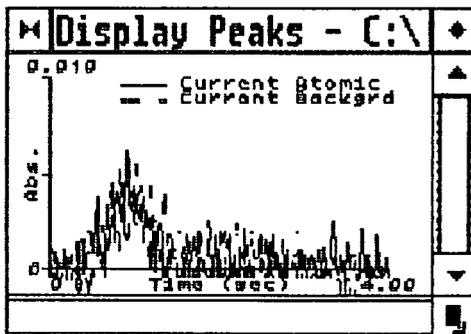
Mean Conc (ug/L): 50.2 SD: 1.62 RSD(%): 3.23
Corrected Conc (mg/kg): -----

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 ): -----



0247

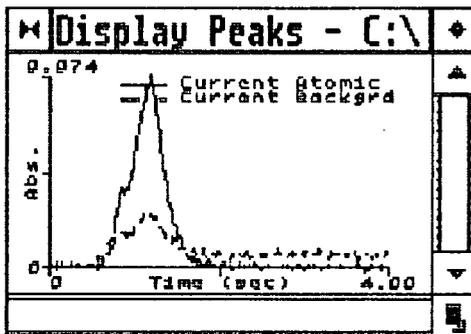
Mean Conc (ug/L ): -0.8 SD: 0.11 RSD(%): 13.62  
Corrected Conc (mg/kg ): -----

QC sample is within range -3.0 - 3.0

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 ): -----  |

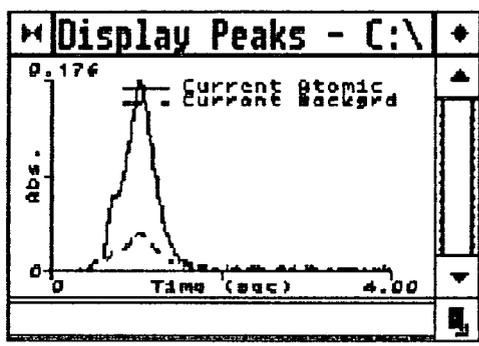


|                                |          |              |
|--------------------------------|----------|--------------|
| Mean Conc (ug/L ): 12.7        | SD: 0.09 | RSD(%): 0.67 |
| Corrected Conc (mg/kg ): ----- |          |              |

|                                              |                                 |
|----------------------------------------------|---------------------------------|
| 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%



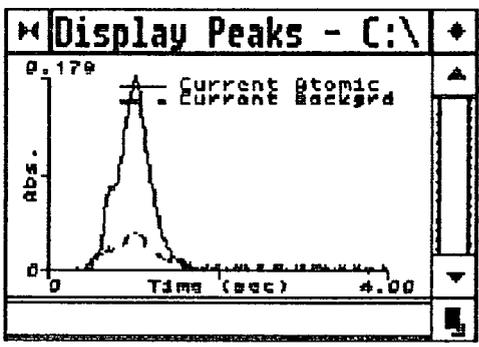
Mean Conc (ug/L ): 31.7 SD: 0.34 RSD(%): 1.08  
 Corrected Conc (mg/kg ): -----

Recovery is 94.9%

Pb ID: 1005-02 A22A Seq. No.: 00024 A/S Pos.: 15 Date: 10/20/94

*MS-2A*  
 uL dispensed: 4 from 2, 5 from 1, 20 from 15  
 Replicate 1 (Peak Stored) Time: 13:36  
 Peak Area (A-s): 0.084 Peak Height (A): 0.179  
 Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.038  
 Blank Corrected Pk Area (A-s): 0.082  
 Concentration (ug/L ): 32.9 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 15  
 Replicate 2 (Peak Stored) Time: 13:39  
 Peak Area (A-s): 0.084 Peak Height (A): 0.179  
 Background Pk Area (A-s): 0.034 Background Pk Height (A): 0.040  
 Blank Corrected Pk Area (A-s): 0.082  
 Concentration (ug/L ): 32.8 Corrected Conc (mg/kg ): -----



0249

Mean Conc (ug/L ): 32.8 SD: 0.06 RSD(%): 0.19  
 Corrected Conc (mg/kg ): -----

Pb ID: 1005-02 A22A *A* Seq. No.: 00025 A/S Pos.: 15 Date: 10/20/94

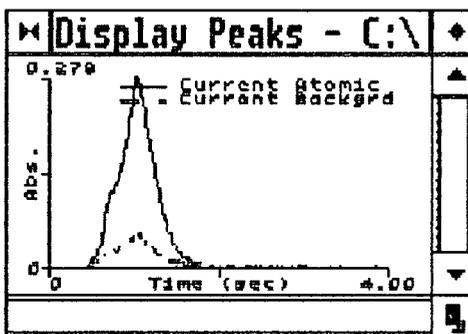
MS-2AK

uL dispensed: 5 from 1, 4 from 6, 20 from 15  
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 ): -----

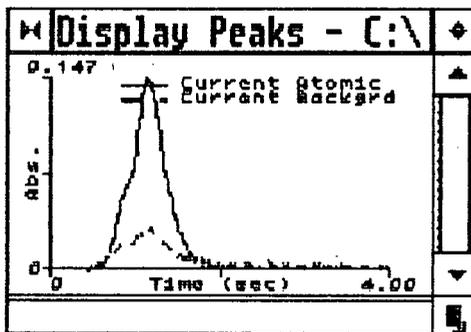
Recovery is 111.8%

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 ): -----

zzzzz



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

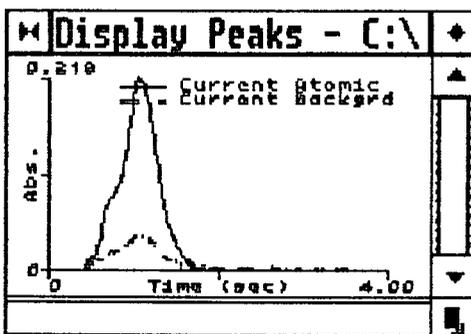
Pb ID: 1005-02 A22D, A Seq. No.: 00027 A/S Pos.: 16 Date: 10/20/94

*MS-2DA*

uL dispensed: 5 from 1, 4 from 6, 20 from 16  
 Replicate 1 (Peak Stored) Time: 13:53  
 Peak Area (A-s): 0.123 Peak Height (A): 0.242  
 Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.046  
 Blank Corrected Pk Area (A-s): 0.121  
 Concentration (ug/L ): 48.9 Corrected Conc (mg/kg ): -----

uL dispensed: 5 from 1, 4 from 6, 20 from 16  
 Replicate 2 (Peak Stored) Time: 13:56  
 Peak Area (A-s): 0.119 Peak Height (A): 0.218  
 Background Pk Area (A-s): 0.035 Background Pk Height (A): 0.045  
 Blank Corrected Pk Area (A-s): 0.117  
 Concentration (ug/L ): 47.4 Corrected Conc (mg/kg ): -----

*zzzzz*  
*97.0%*



Mean Conc (ug/L ): 48.1 SD: 1.03 RSD(%): 2.15  
 Corrected Conc (mg/kg ): -----

Recovery is 97.3%

0251

Pb ID: A22D MSD Seq. No.: 00028 A/S Pos.: 17 Date: 10/20/94

MS-20MSD

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

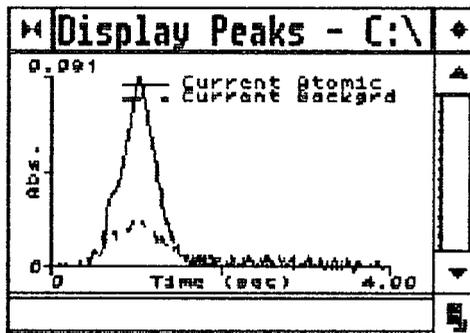
Background Pk Area (A-s): 0.023

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 ): -----

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

MS-20MSD

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

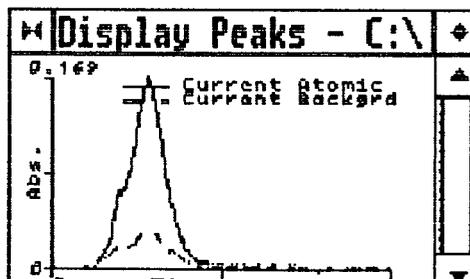
Background Pk Area (A-s): 0.031

Background Pk Height (A): 0.035

Blank Corrected Pk Area (A-s): 0.088

Concentration (ug/L ): 35.3

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



0252

100.0%

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

Recovery is 99.8%

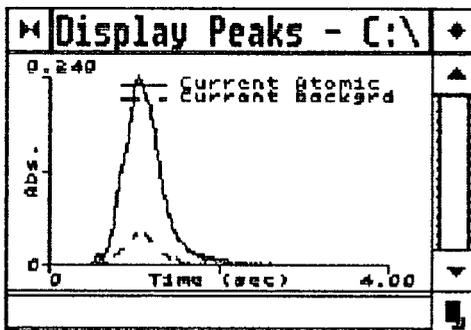
Pb ID: CCV Seq. No.: 00030 A/S Pos.: 5 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 5  
Replicate 1 (Peak Stored) Time: 14:11  
Peak Area (A-s): 0.125 Peak Height (A): 0.226  
Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.040  
Blank Corrected Pk Area (A-s): 0.123  
Concentration (ug/L ): 49.8 Corrected Conc (mg/kg ): -----

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

Characteristic Mass = 35.7 pg/0.0044 A-s

Replicate 2 (Peak Stored) Time: 14:13  
Peak Area (A-s): 0.125 Peak Height (A): 0.240  
Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.041  
Blank Corrected Pk Area (A-s): 0.124  
Concentration (ug/L ): 50.0 Corrected Conc (mg/kg ): -----



99.8%

Mean Conc (ug/L ): 49.9 SD: 0.10 RSD(%): 0.21  
Corrected Conc (mg/kg ): -----

QC sample is within range 45.0 - 55.0

Pb ID: CCB Seq. No.: 00031 A/S Pos.: 2 Date: 10/20/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2  
Replicate 1 (Peak Stored) Time: 14:16  
Peak Area (A-s): 0.003 Peak Height (A): 0.006  
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.005  
Blank Corrected Pk Area (A-s): 0.001  
Concentration (ug/L ): -0.7 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 2  
Replicate 2 (Peak Stored) Time: 14:19

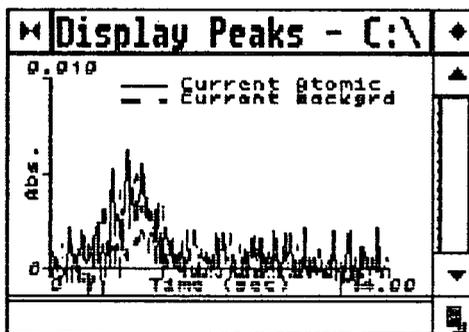
0253

Peak Area (A-s): 0.002  
Background PK Area (A-s): 0.001  
Blank Corrected PK Area (A-s): 0.001

Peak Height (A): 0.006  
Background PK Height (A): 0.005

Concentration (ug/L ): -0.8

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



Mean Conc (ug/L ): -0.7  
Corrected Conc (mg/kg ): -----

SD: 0.10

RSD(%): 14.31

QC sample is within range -3.0 - 3.0

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

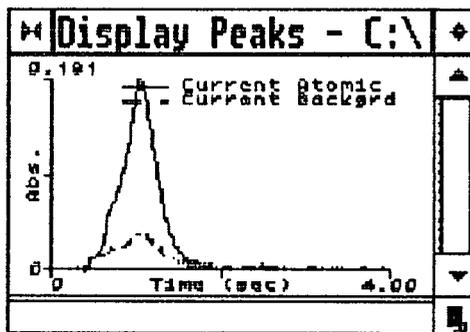
Background PK Height (A): 0.037

Blank Corrected PK Area (A-s): 0.089

Concentration (ug/L ): 35.7

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

*22222*



*? +V=25  
30/R*

0254

Mean Conc (ug/L ): 36.2  
Corrected Conc (mg/kg ): -----

SD: 0.76

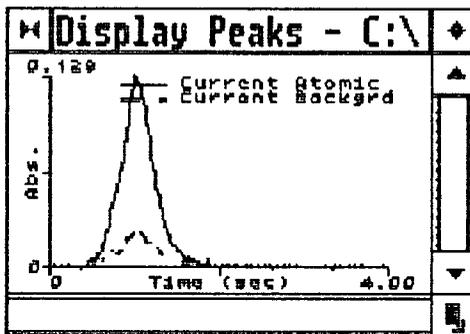
RSD(%): 2.09

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 ): -----  |

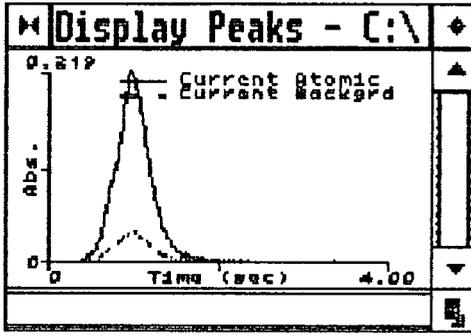


|                                |          |              |
|--------------------------------|----------|--------------|
| Mean Conc (ug/L ): 23.5        | SD: 0.20 | RSD(%): 0.87 |
| Corrected Conc (mg/kg ): ----- |          |              |

|                                                           |                                 |
|-----------------------------------------------------------|---------------------------------|
| uL dispensed: 5 from 1, <i>MS-1D</i> 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%



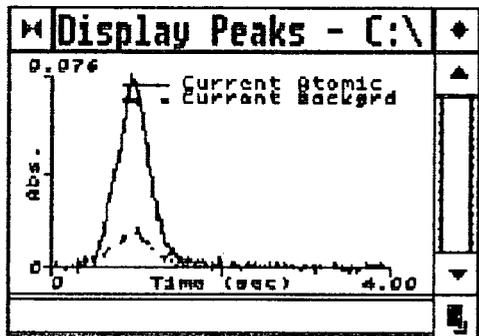
Mean Conc (ug/L ): 41.6 SD: 0.49 RSD(%): 1.17  
 Corrected Conc (mg/kg ): -----

Recovery is 90.4%

~~~~~  
 Pb ID: 1005-02 A11C Seq. No.: 00035 A/S Pos.: 20 Date: 10/20/94

MS-1C
 uL dispensed: 4 from 2, 5 from 1, 20 from 20
 Replicate 1 (Peak Stored) Time: 14:39
 Peak Area (A-s): 0.036 Peak Height (A): 0.079
 Background PK Area (A-s): 0.011 Background PK Height (A): 0.016
 Blank Corrected PK Area (A-s): 0.035
 Concentration (ug/L): 13.3 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 20
 Replicate 2 (Peak Stored) Time: 14:42
 Peak Area (A-s): 0.036 Peak Height (A): 0.076
 Background PK Area (A-s): 0.010 Background PK Height (A): 0.017
 Blank Corrected PK Area (A-s): 0.035
 Concentration (ug/L): 13.2 Corrected Conc (mg/kg): -----



0256

Mean Conc (ug/L): 13.3 SD: 0.02 RSD(%): 0.12
 Corrected Conc (mg/kg): -----

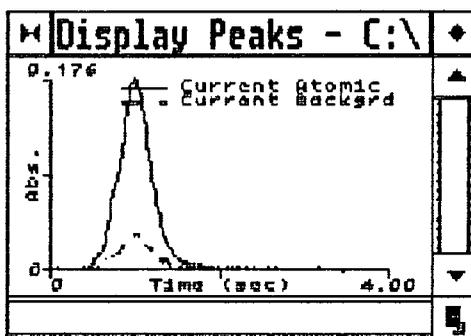
~~~~~  
 Pb ID: 1005-02 A11C *oA* Seq. No.: 00036 A/S Pos.: 20 Date: 10/20/94

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 ): -----

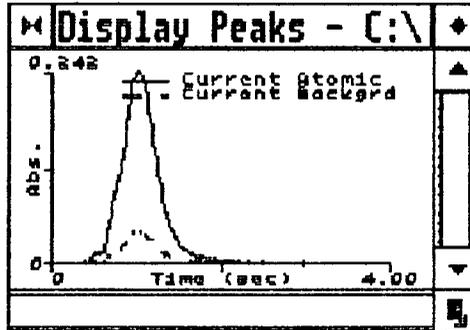
Recovery is 93.6%

~~~~~  
 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%



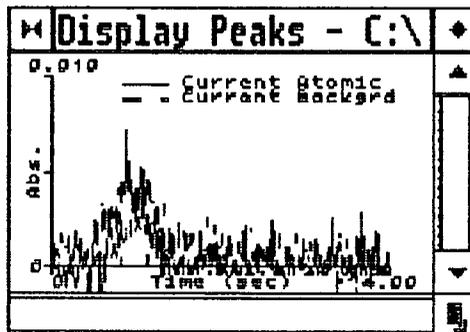
Mean Conc (ug/L): 49.2 SD: 1.17 RSD(%): 2.38
Corrected Conc (mg/kg): -----

QC sample is within range 45.0 - 55.0

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): -----

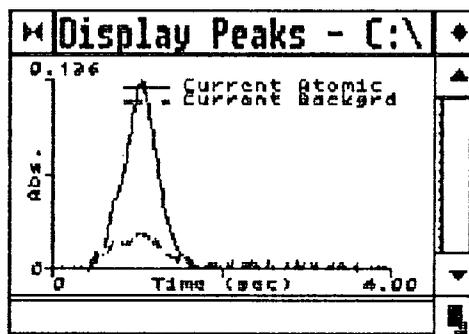
QC sample is within range -3.0 - 3.0

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



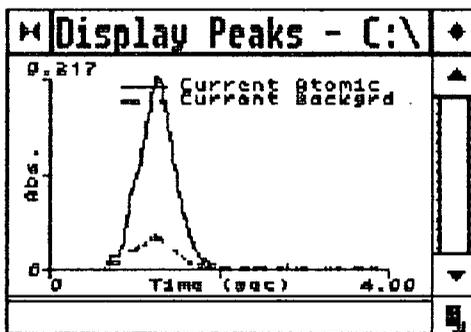
Mean Conc (ug/L): 25.9 SD: 0.16 RSD(%): 0.61
 Corrected Conc (mg/kg): -----

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%

Pb ID: A22D MS Seq. No.: 00041 A/S Pos.: 18 Date: 10/20/94

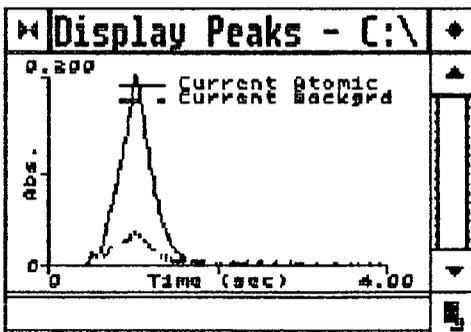
MS-2DMS

uL dispensed: 4 from 2, 5 from 1, 20 from 18
 Replicate 1 (Peak Stored) Time: 15:15
 Peak Area (A-s): 0.087 Peak Height (A): 0.185
 Background PK Area (A-s): 0.030 Background PK Height (A): 0.034
 Blank Corrected PK Area (A-s): 0.085
 Concentration (ug/L): 34.2 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 18
 Replicate 2 (Peak Stored) Time: 15:17
 Peak Area (A-s): 0.092 Peak Height (A): 0.200
 Background PK Area (A-s): 0.030 Background PK Height (A): 0.037
 Blank Corrected PK Area (A-s): 0.091
 Concentration (ug/L): 36.3 Corrected Conc (mg/kg): -----

Rerun

37.6%



0260

Mean Conc (ug/L): 35.3 SD: 1.50 RSD(%): 4.26
 Corrected Conc (mg/kg): -----

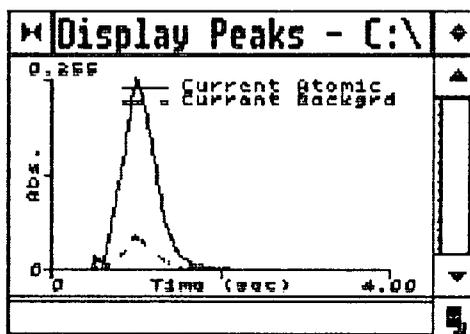
Pb ID: CCV Seq. No.: 00042 A/S Pos.: 5 Date: 10/20/94

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%



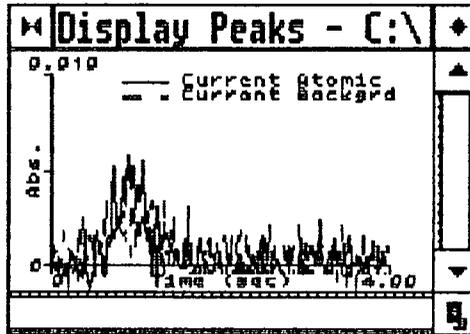
Mean Conc (ug/L): 49.2 SD: 0.06 RSD(%): 0.12
Corrected Conc (mg/kg): -----

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 ): -----



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

Se

SM  
10/24/94

5 } calib. = J+M  
25 } stds  
50 } ICV=Spec 6C19

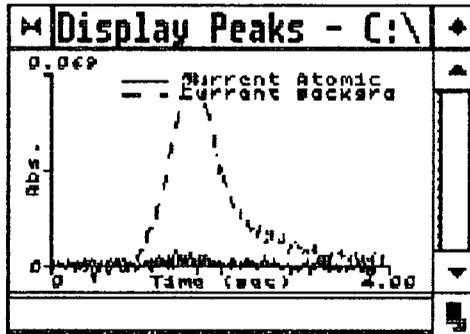
Cup - Soils - SDG - 19  
E1005-02

|                         |                         |                   |
|-------------------------|-------------------------|-------------------|
| 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        |

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

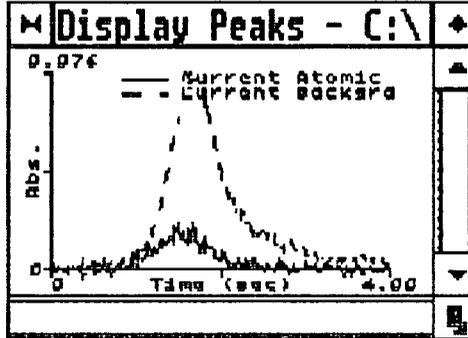
uL dispensed: 4 from 2, 5 from 1, 20 from 3  
 Replicate 1 (Peak Stored) Time: 10:35  
 Peak Area (A-s): 0.012 Peak Height (A): 0.017  
 Background Pk Area (A-s): 0.062 Background Pk Height (A): 0.071  
 Blank Corrected PK Area (A-s): 0.010  
 Concentration (ug/L ): 5.6

0263

uL dispensed: 4 from 2, 5 from 1, 20 from 3  
 Replicate 2 (Peak Stored) Time: 10:37  
 Peak Area (A-s): 0.012 Peak Height (A): 0.017

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

Background PK Height (A): 0.076



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

Standard number 1 applied. [5.0]

Correlation coefficient: 1.00000 Slope: 0.0019 Int: -0.000

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

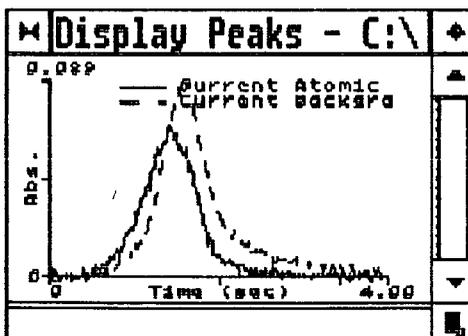
Peak Height (A): 0.070

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



0264

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

~~~~~  
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

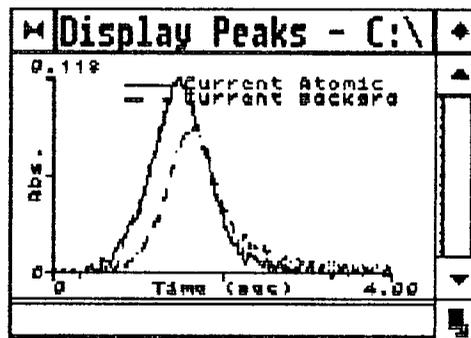
Peak Height (A): 0.118

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

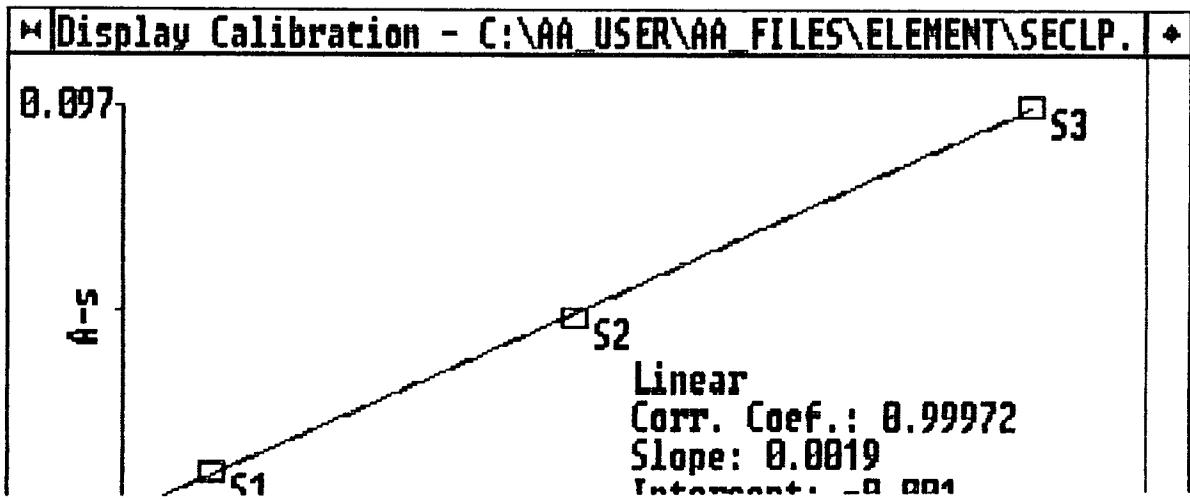
RSD(%): 0.09

Standard number 3 applied. [50.0]

Correlation coefficient: 0.99972

Slope: 0.0019

Int: -0.001

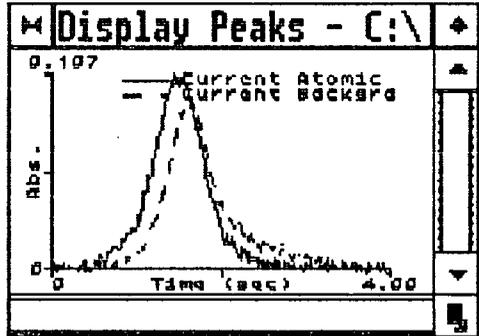


0.0	Concentration	50.0
-----	---------------	------

~~~~~  
 Se ID: ICV Seq. No.: 00019 A/S Pos.: 8 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 8  
 Replicate 1 (Peak Stored) Time: 10:50  
 Peak Area (A-s): 0.080 Peak Height (A): 0.098  
 Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.085  
 Blank Corrected Pk Area (A-s): 0.077  
 Concentration (ug/L ): 40.1 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 8  
 Replicate 2 (Peak Stored) Time: 10:53  
 Peak Area (A-s): 0.082 Peak Height (A): 0.107  
 Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.094  
 Blank Corrected Pk Area (A-s): 0.079  
 Concentration (ug/L ): 41.2 Corrected Conc (mg/kg ): -----



*SPX QC-19  
 +V=40*

*101.8%*

Mean Conc (ug/L ): 40.7 SD: 0.78 RSD(%): 1.92  
 Corrected Conc (mg/kg ): -----

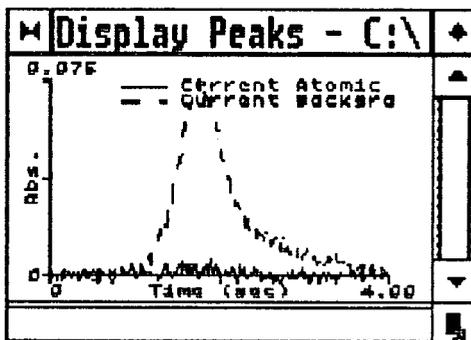
QC sample is within range 36.0 - 44.0

~~~~~  
 Se ID: ICB Seq. No.: 00020 A/S Pos.: 2 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2
 Replicate 1 (Peak Stored) Time: 10:55
 Peak Area (A-s): 0.001 Peak Height (A): 0.006
 Background Pk Area (A-s): 0.065 Background Pk Height (A): 0.075
 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: 10:57
 Peak Area (A-s): 0.002 Peak Height (A): 0.007
 Background Pk Area (A-s): 0.064 Background Pk Height (A): 0.076
 Blank Corrected Pk Area (A-s): -0.001
 Concentration (ug/L): -0.1 Corrected Conc (mg/kg): -----

0266



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

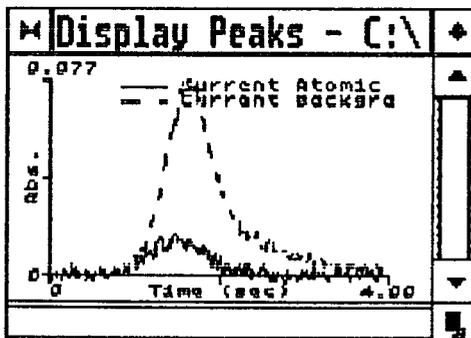
QC sample is within range -5.0 - 5.0

~~~~~  
 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 ): -----

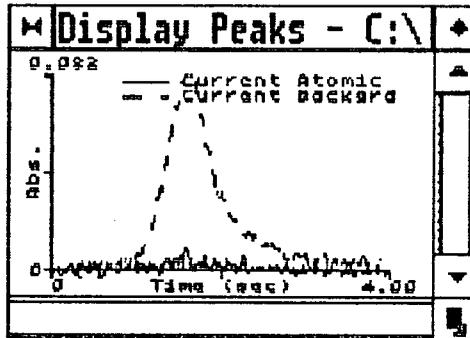
QC sample is within range 1.0 - 10.0

Se ID: PBLK-SOIL *PBS01* Seq. No.: 00022 A/S Pos.: 10 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 10

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Replicate 1 (Peak Stored)            | Time: 11:04                     |
| Peak Area (A-s): 0.003               | Peak Height (A): 0.007          |
| Background Pk Area (A-s): 0.068      | Background Pk Height (A): 0.084 |
| Blank Corrected Pk Area (A-s): 0.001 |                                 |
| Concentration (ug/L ): 0.7           | Corrected Conc (mg/kg ): -----  |

|                                              |                                 |
|----------------------------------------------|---------------------------------|
| uL dispensed: 4 from 2, 5 from 1, 20 from 10 |                                 |
| Replicate 2 (Peak Stored)                    | Time: 11:07                     |
| Peak Area (A-s): 0.004                       | Peak Height (A): 0.009          |
| Background Pk Area (A-s): 0.067              | Background Pk Height (A): 0.082 |
| Blank Corrected Pk Area (A-s): 0.001         |                                 |
| Concentration (ug/L ): 1.0                   | Corrected Conc (mg/kg ): -----  |



|                                |          |               |
|--------------------------------|----------|---------------|
| Mean Conc (ug/L ): 0.9         | SD: 0.24 | RSD(%): 28.35 |
| Corrected Conc (mg/kg ): ----- |          |               |

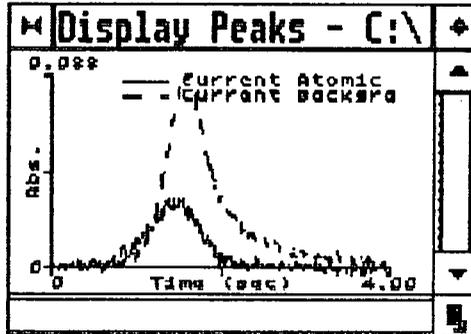
Se ID: PBLK-SOIL *PBS01 A* Seq. No.: 00023 A/S Pos.: 10 Date: 10/24/94

|                                              |                                 |
|----------------------------------------------|---------------------------------|
| uL dispensed: 5 from 1, 4 from 5, 20 from 10 |                                 |
| Replicate 1 (Peak Stored)                    | Time: 11:09                     |
| Peak Area (A-s): 0.025                       | Peak Height (A): 0.033          |
| Background Pk Area (A-s): 0.070              | Background Pk Height (A): 0.086 |
| Blank Corrected Pk Area (A-s): 0.022         |                                 |
| Concentration (ug/L ): 11.7                  | Corrected Conc (mg/kg ): -----  |

|                                              |                                 |
|----------------------------------------------|---------------------------------|
| uL dispensed: 5 from 1, 4 from 5, 20 from 10 |                                 |
| Replicate 2 (Peak Stored)                    | Time: 11:12                     |
| Peak Area (A-s): 0.024                       | Peak Height (A): 0.032          |
| Background Pk Area (A-s): 0.070              | Background Pk Height (A): 0.088 |
| Blank Corrected Pk Area (A-s): 0.021         |                                 |
| Concentration (ug/L ): 11.1                  | Corrected Conc (mg/kg ): -----  |

10 ppb  
post spike

114.0%



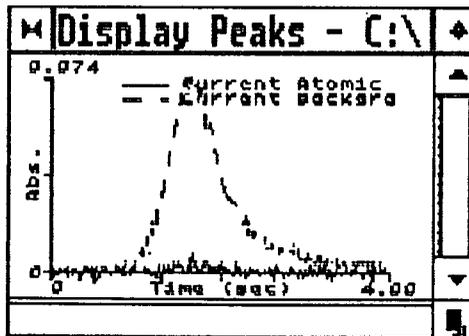
Mean Conc (ug/L ): 11.4 SD: 0.43 RSD(%): 3.74  
Corrected Conc (mg/kg ): -----

Recovery is 105.4%

Se ID: PBLK-H20 *fbw01* 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 ): -----



0269

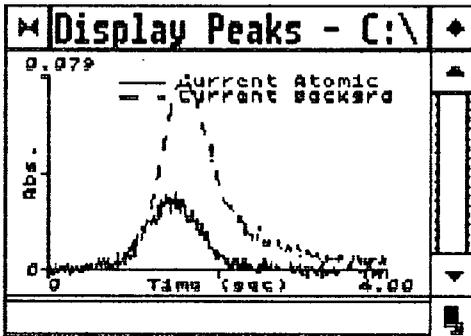
Mean Conc (ug/L ): 0.4 SD: 0.53 RSD(%): 131.82  
Corrected Conc (mg/kg ): -----

*PBWOLA*  
uL dispensed: 5 from 1, 4 from 5, 20 from 11  
Replicate 1 (Peak Stored) Time: 11:19  
Peak Area (A-s): 0.024 Peak Height (A): 0.031

Background Pk Area (A-s): 0.070 Background Pk Height (A): 0.079  
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 11  
Replicate 2 (Peak Stored) Time: 11:22  
Peak Area (A-s): 0.023 Peak Height (A): 0.031  
Background Pk Area (A-s): 0.073 Background Pk Height (A): 0.079  
Blank Corrected Pk Area (A-s): 0.020  
Concentration (ug/L ): 10.8 Corrected Conc (mg/kg ): -----

*10 ppb post spike  
110%*



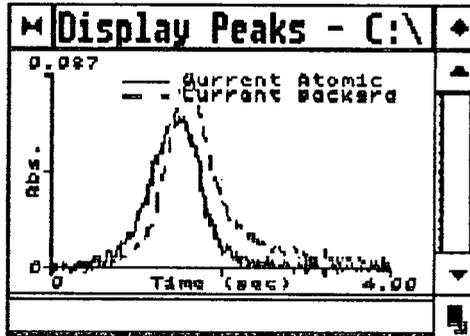
Mean Conc (ug/L ): 11.0 SD: 0.28 RSD(%): 2.58  
Corrected Conc (mg/kg ): -----

Recovery is *105%*

uL dispensed: 4 from 2, 5 from 1, 20 from 4  
Replicate 1 (Peak Stored) Time: 11:26  
Peak Area (A-s): 0.052 Peak Height (A): 0.072  
Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.087  
Blank Corrected Pk Area (A-s): 0.049  
Concentration (ug/L ): 25.5 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 4  
Replicate 2 (Peak Stored) Time: 11:28  
Peak Area (A-s): 0.052 Peak Height (A): 0.068  
Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.087  
Blank Corrected Pk Area (A-s): 0.050  
Concentration (ug/L ): 25.9 Corrected Conc (mg/kg ): -----

102.8%



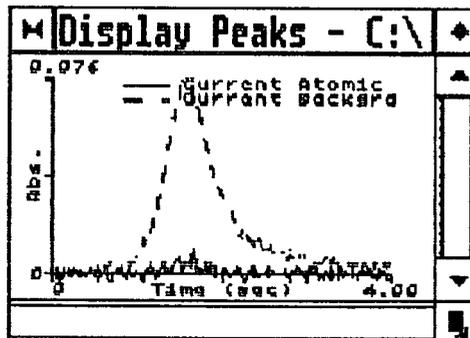
Mean Conc (ug/L ): 25.7 SD: 0.33 RSD(%): 1.27  
Corrected Conc (mg/kg ): -----

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): -----

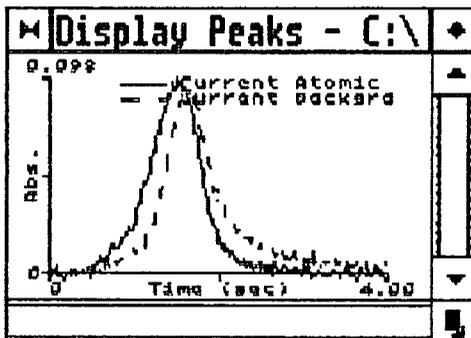
QC sample is within range -5.0 - 5.0

~~~~~  
Se ID: LCS Seq. No.: 00028 A/S Pos.: 12 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 12

Replicate 1 (Peak Stored) Time: 11:36  
Peak Area (A-s): 0.076 Peak Height (A): 0.100  
Background Pk Area (A-s): 0.075 Background Pk Height (A): 0.091  
Blank Corrected Pk Area (A-s): 0.073  
Concentration (ug/L ): 38.1 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 12  
Replicate 2 (Peak Stored) Time: 11:38  
Peak Area (A-s): 0.075 Peak Height (A): 0.098  
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.095  
Blank Corrected Pk Area (A-s): 0.072  
Concentration (ug/L ): 37.3 Corrected Conc (mg/kg ): -----



*Handwritten:* +v=40  
94.3%

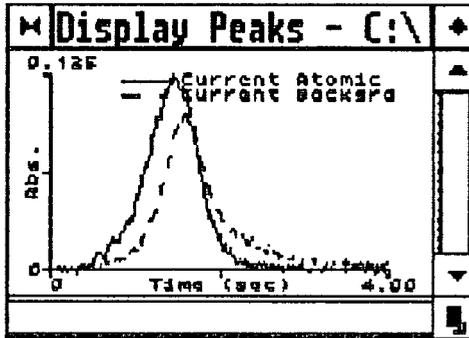
Mean Conc (ug/L ): 37.7 SD: 0.56 RSD(%): 1.49  
Corrected Conc (mg/kg ): -----

~~~~~  
Se ID: LCS *A* Seq. No.: 00029 A/S Pos.: 12 Date: 10/24/94

uL dispensed: 5 from 1, 4 from 5, 20 from 12
Replicate 1 (Peak Stored) Time: 11:40
Peak Area (A-s): 0.096 Peak Height (A): 0.123
Background Pk Area (A-s): 0.085 Background Pk Height (A): 0.100
Blank Corrected Pk Area (A-s): 0.093
Concentration (ug/L): 48.2 Corrected Conc (mg/kg): -----

uL dispensed: 5 from 1, 4 from 5, 20 from 12
Replicate 2 (Peak Stored) Time: 11:43
Peak Area (A-s): 0.095 Peak Height (A): 0.125
Background Pk Area (A-s): 0.084 Background Pk Height (A): 0.100
Blank Corrected Pk Area (A-s): 0.092
Concentration (ug/L): 47.9 Corrected Conc (mg/kg): -----

103.0%



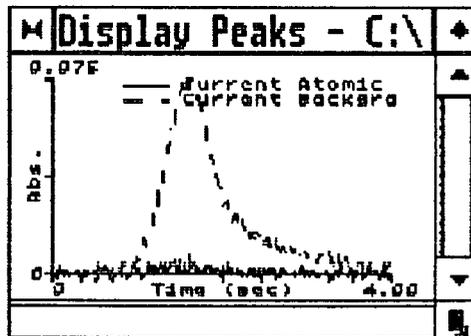
Mean Conc (ug/L): 48.0 SD: 0.24 RSD(%): 0.49
Corrected Conc (mg/kg): -----

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 ): -----



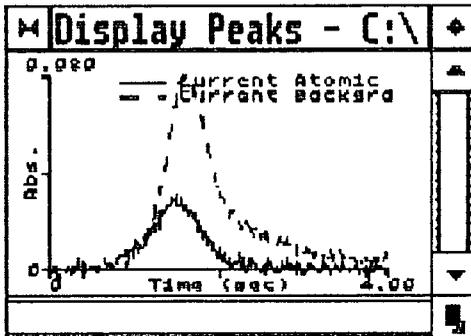
0273

Mean Conc (ug/L ): 0.4 SD: 0.44 RSD(%): 120.39  
Corrected Conc (mg/kg ): -----

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 ): -----



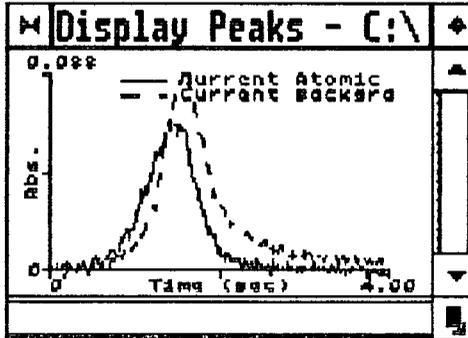
*105.0 /*

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

Recovery is *100%*

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%

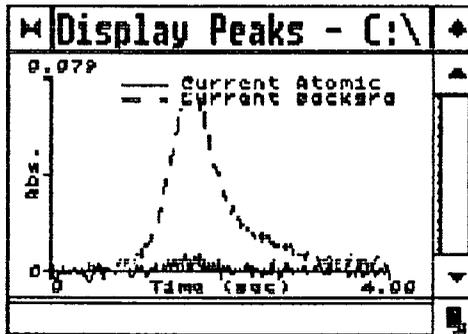
Mean Conc (ug/L ): 25.0 SD: 0.26 RSD(%): 1.03  
 Corrected Conc (mg/kg ): -----

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): -----



0275

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

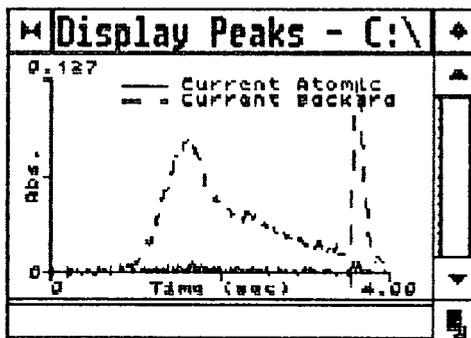
Se ID: 1005-02 A44C Seq. No.: 00034 A/S Pos.: 14 Date: 10/24/94

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

Replicate 1 (Peak Stored) Time: 12:05
 Peak Area (A-s): 0.006 Peak Height (A): 0.018
 Background Pk Area (A-s): 0.114 Background Pk Height (A): 0.104
 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 14
 Replicate 2 (Peak Stored) Time: 12:07
 Peak Area (A-s): 0.005 Peak Height (A): 0.007
 Background Pk Area (A-s): 0.118 Background Pk Height (A): 0.127
 Blank Corrected Pk Area (A-s): 0.002
 Concentration (ug/L): 1.4 Corrected Conc (mg/kg): -----

W



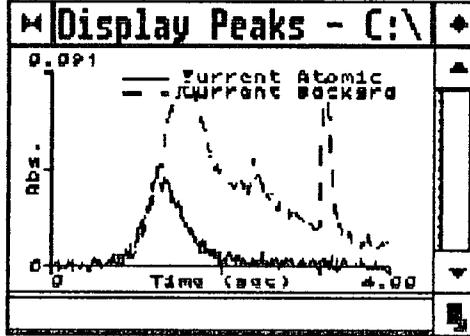
Mean Conc (ug/L): 1.8 SD: 0.63 RSD(%): 34.75
 Corrected Conc (mg/kg): -----

Se ID: 1005-02 A44C A Seq. No.: 00035 A/S Pos.: 14 Date: 10/24/94

uL dispensed: 5 from 1, 4 from 5, 20 from 14
 Replicate 1 (Peak Stored) Time: 12:09
 Peak Area (A-s): 0.024 Peak Height (A): 0.039
 Background Pk Area (A-s): 0.111 Background Pk Height (A): 0.090
 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 14
 Replicate 2 (Peak Stored) Time: 12:12
 Peak Area (A-s): 0.027 Peak Height (A): 0.042
 Background Pk Area (A-s): 0.115 Background Pk Height (A): 0.091
 Blank Corrected Pk Area (A-s): 0.024
 Concentration (ug/L): 12.8 Corrected Conc (mg/kg): -----

120
102.0%



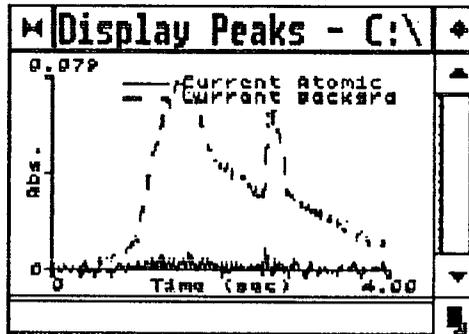
Mean Conc (ug/L): 12.0 SD: 1.19 RSD(%): 9.90
 Corrected Conc (mg/kg): -----

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 ): -----



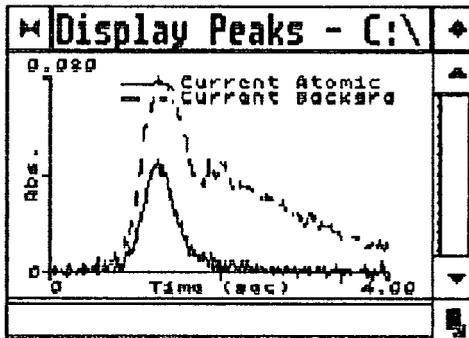
0277

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

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 ): -----



*11.0%*

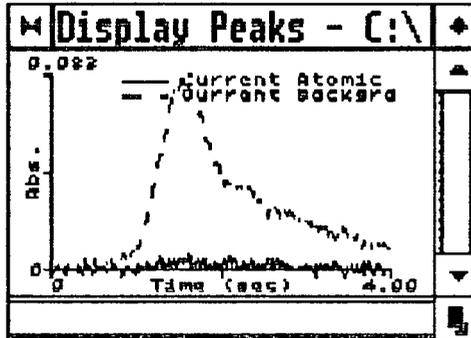
Mean Conc (ug/L ): 11.1 SD: 1.37 RSD(%): 12.30  
Corrected Conc (mg/kg ): -----

Recovery is *95.4%*

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

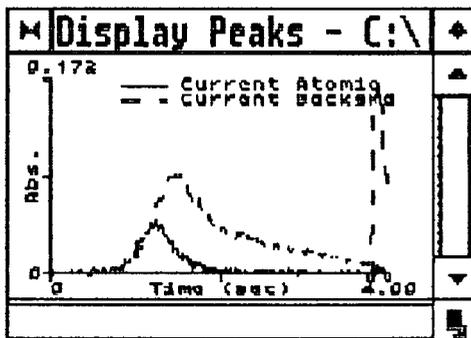


Mean Conc (ug/L ): 1.5 SD: 0.20 RSD(%): 13.11  
 Corrected Conc (mg/kg ): -----

Se ID: 1005-02 A220.A Seq. No.: 00039 A/S Pos.: 16 Date: 10/24/94

*MS-2DX*  
 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 100.0%

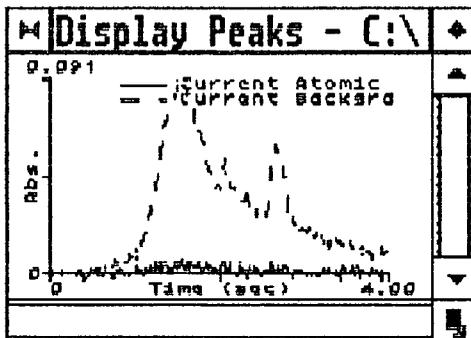
*MS-2DMSD*

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*

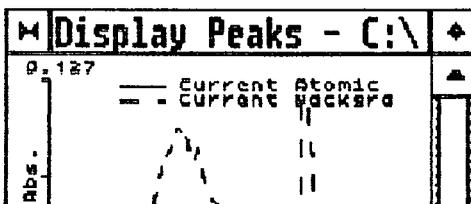


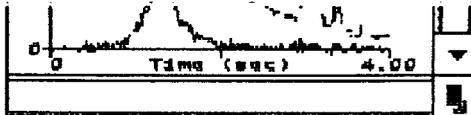
Mean Conc (ug/L ): 1.3 SD: 0.02 RSD(%): 1.57  
Corrected Conc (mg/kg ): -----

*MS-2DMSD A*

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 ): -----





118.0% W

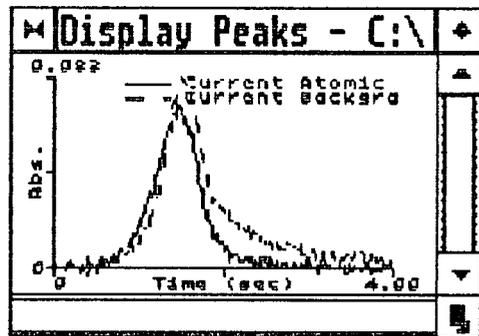
Mean Conc (ug/L ): 11.8 SD: 0.91 RSD(%): 7.74  
 Corrected Conc (mg/kg ): -----

Recovery is 104.8%

~~~~~  
 Se ID: CCV Seq. No.: 00042 A/S Pos.: 4 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4
 Replicate 1 (Peak Stored) Time: 12:44
 Peak Area (A-s): 0.047 Peak Height (A): 0.071
 Background Pk Area (A-s): 0.071 Background Pk Height (A): 0.085
 Blank Corrected Pk Area (A-s): 0.044
 Concentration (ug/L): 23.1 Corrected Conc (mg/kg): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 4
 Replicate 2 (Peak Stored) Time: 12:46
 Peak Area (A-s): 0.049 Peak Height (A): 0.072
 Background Pk Area (A-s): 0.069 Background Pk Height (A): 0.083
 Blank Corrected Pk Area (A-s): 0.046
 Concentration (ug/L): 23.9 Corrected Conc (mg/kg): -----



94.0%

Mean Conc (ug/L): 23.5 SD: 0.59 RSD(%): 2.51
 Corrected Conc (mg/kg): -----

QC sample is within range 22.5 - 27.5

~~~~~  
 Se ID: CCB Seq. No.: 00043 A/S Pos.: 2 Date: 10/24/94

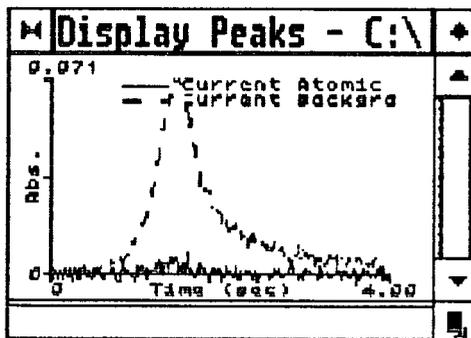
uL dispensed: 4 from 2, 5 from 1, 20 from 2  
 Replicate 1 (Peak Stored) Time: 12:49  
 Peak Area (A-s): 0.003 Peak Height (A): 0.006  
 Background Pk Area (A-s): 0.058 Background Pk Height (A): 0.069  
 Blank Corrected Pk Area (A-s): 0.000  
 Concentration (ug/L ): 0.4 Corrected Conc (mg/kg ): -----

uL dispensed: 4 from 2, 5 from 1, 20 from 2  
 Replicate 2 (Peak Stored) Time: 12:51  
 Peak Area (A-s): 0.002 Peak Height (A): 0.002

0281

Background Pk Area (A-s): 0.062  
Blank Corrected Pk Area (A-s): -0.001  
Concentration (ug/L ): -0.0

Background Pk Height (A): 0.071  
Corrected Conc (mg/kg ): -----



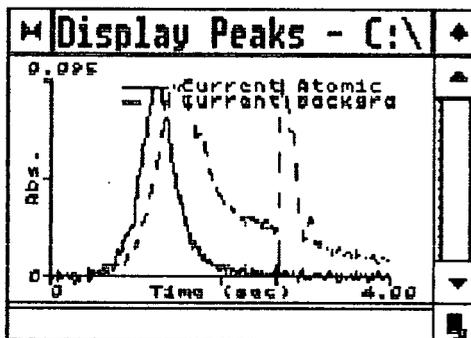
Mean Conc (ug/L ): 0.2 SD: 0.32 RSD(%): 160.24  
Corrected Conc (mg/kg ): -----

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 20 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 ): -----



*AV = 25.0*  
*99.6%*

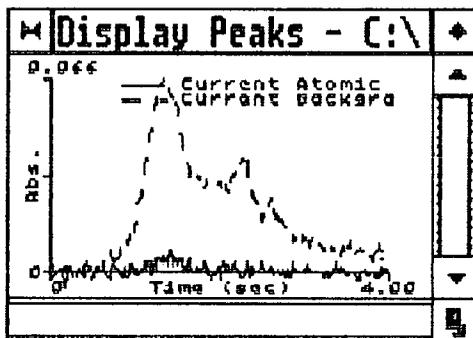
0282

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

uL dispensed: 4 from 2, 5 from 1, 20 from 19  
Replicate 1 (Peak Stored) Time: 12:59  
Peak Area (A-s): 0.004 Peak Height (A): 0.009

Background Pk Area (A-s): 0.079 Background Pk Height (A): 0.068  
Blank Corrected Pk Area (A-s): 0.002  
Concentration (ug/L ): 1.1 Corrected Conc (mg/kg ): -----

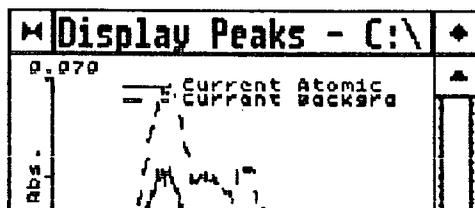
uL dispensed: 4 from 2, 5 from 1, 20 from 19  
Replicate 2 (Peak Stored) Time: 13:01  
Peak Area (A-s): 0.003 Peak Height (A): 0.007  
Background Pk Area (A-s): 0.077 Background Pk Height (A): 0.066  
Blank Corrected Pk Area (A-s): 0.000  
Concentration (ug/L ): 0.5 Corrected Conc (mg/kg ): -----



Mean Conc (ug/L ): 0.8 SD: 0.46 RSD(%): 56.58  
Corrected Conc (mg/kg ): -----

uL dispensed: 5 from 1, 4 from 5, 20 from 19  
Replicate 1 (Peak Stored) Time: 13:04  
Peak Area (A-s): 0.024 Peak Height (A): 0.037  
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.071  
Blank Corrected Pk Area (A-s): 0.021  
Concentration (ug/L ): 11.1 Corrected Conc (mg/kg ): -----

uL dispensed: 5 from 1, 4 from 5, 20 from 19  
Replicate 2 (Peak Stored) Time: 13:06  
Peak Area (A-s): 0.022 Peak Height (A): 0.038  
Background Pk Area (A-s): 0.082 Background Pk Height (A): 0.070  
Blank Corrected Pk Area (A-s): 0.019  
Concentration (ug/L ): 10.3 Corrected Conc (mg/kg ): -----





107.0%

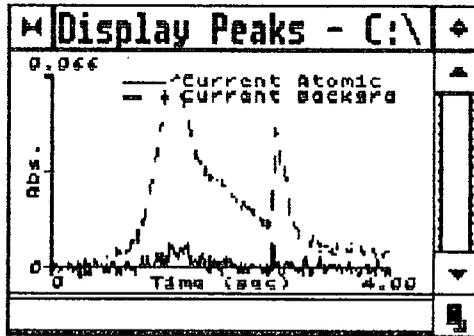
Mean Conc (ug/L ): 10.7 SD: 0.56 RSD(%): 5.19  
 Corrected Conc (mg/kg ): -----

Recovery is 107.0%

~~~~~  
 Se ID: 1005-02 A11C Seq. No.: 00047 A/S Pos.: 20 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 20
 Replicate 1 (Peak Stored) Time: 13:09 ✓
 Peak Area (A-s): 0.002 Peak Height (A): 0.007
 Background Pk Area (A-s): 0.073 Background Pk Height (A): 0.068
 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 20
 Replicate 2 (Peak Stored) Time: 13:11
 Peak Area (A-s): 0.003 Peak Height (A): 0.009
 Background Pk Area (A-s): 0.072 Background Pk Height (A): 0.066
 Blank Corrected Pk Area (A-s): 0.000
 Concentration (ug/L): 0.4 Corrected Conc (mg/kg): -----



Mean Conc (ug/L): 0.2 SD: 0.22 RSD(%): 91.93
 Corrected Conc (mg/kg): -----

~~~~~  
 Se ID: 1005-02 A11C A Seq. No.: 00048 A/S Pos.: 20 Date: 10/24/94

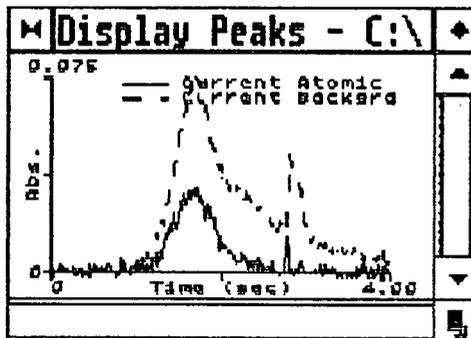
uL dispensed: 5 from 1, 4 from 5, 20 from 20  
 Replicate 1 (Peak Stored) Time: 13:14  
 Peak Area (A-s): 0.019 Peak Height (A): 0.037  
 Background Pk Area (A-s): 0.078 Background Pk Height (A): 0.075  
 Blank Corrected Pk Area (A-s): 0.016  
 Concentration (ug/L ): 8.7 Corrected Conc (mg/kg ): -----

uL dispensed: 5 from 1, 4 from 5, 20 from 20  
 Replicate 2 (Peak Stored) Time: 13:16  
 Peak Area (A-s): 0.021 Peak Height (A): 0.032  
 Background Pk Area (A-s): 0.076 Background Pk Height (A): 0.075  
 Blank Corrected Pk Area (A-s): 0.016

0284

Concentration (ug/L ): 9.8

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



93.6%

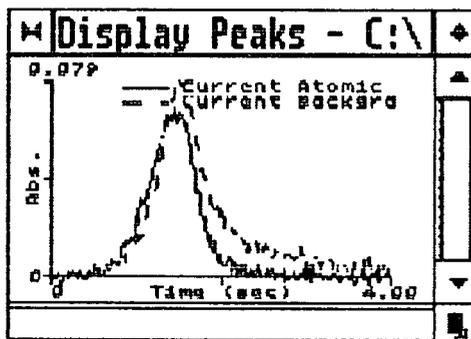
Mean Conc (ug/L ): 9.3 SD: 0.79 RSD(%): 8.49  
 Corrected Conc (mg/kg ): -----

Recovery is ~~91.4%~~

~~~~~  
 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): -----



94.6%

0285

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

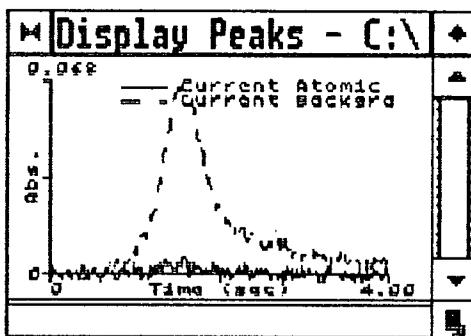
QC sample is within range 22.5 - 27.5

Characteristic Mass = 48.8 pg/0.0044 A-s

~~~~~  
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
-----

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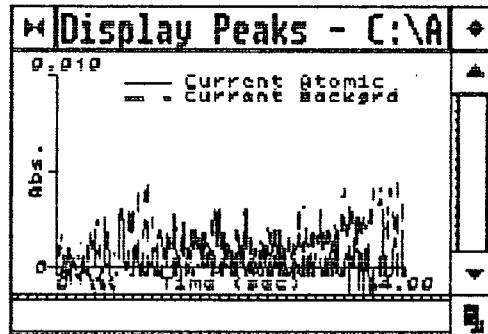
Replicate 1                  Time: 14:57
Peak Area (A-s): 0.001      Peak Height (A): 0.003
Background Pk Area (A-s): 0.003  Background Pk Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.000
Concentration (ug/L ): -0.1

```

```

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

```



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

```

Auto-zero performed.

```

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

```

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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

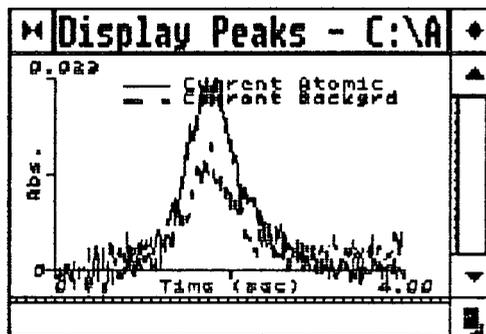
```

```

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

```

0287



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

Standard number 1 applied. [10.0]

Correlation coefficient: 1.00000 Slope: 0.0018 Int: 0.000

~~~~~  
 T1 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

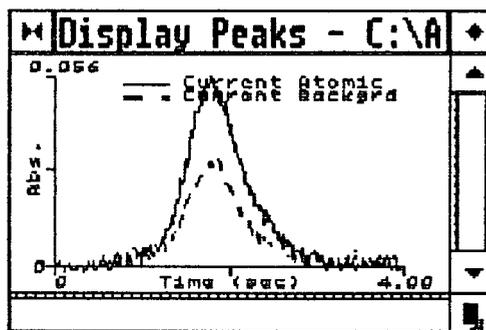
Peak Height (A): 0.056

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



0288

Standard number 2 applied. [25.0]  
Correlation coefficient: 0.99997

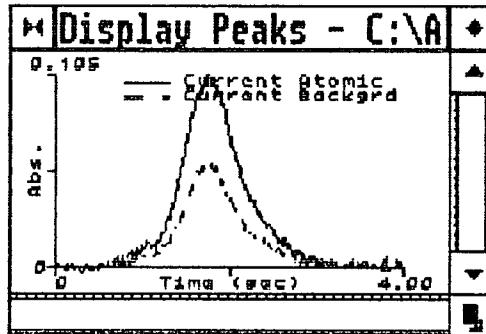
Slope: 0.0018

Int: -0.000

~~~~~  
T1 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

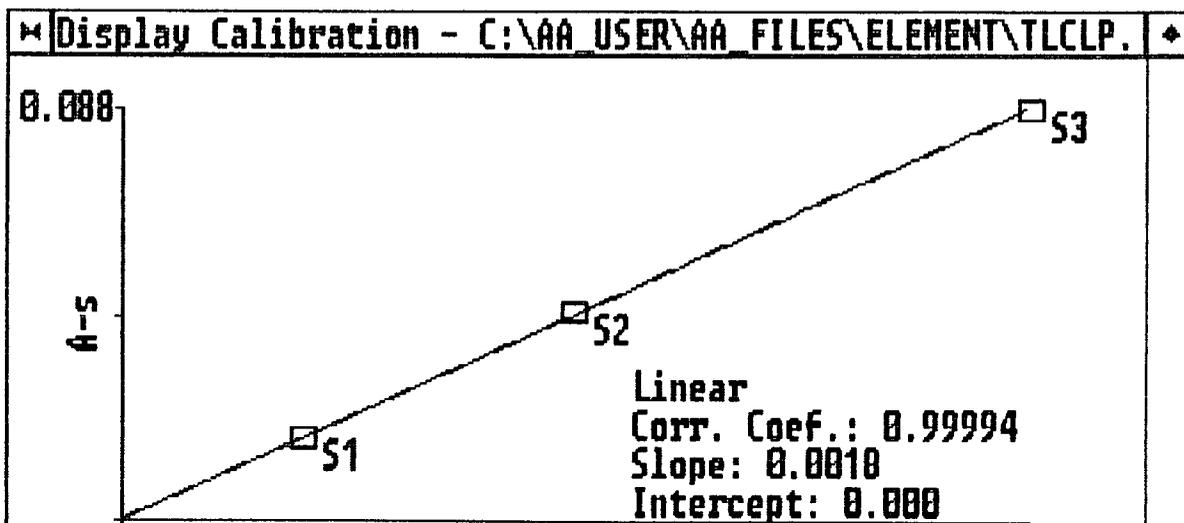


Mean Conc (ug/L ): 49.1 SD: 0.99 RSD(%): 2.02

Standard number 3 applied. [50.0]  
Correlation coefficient: 0.99994

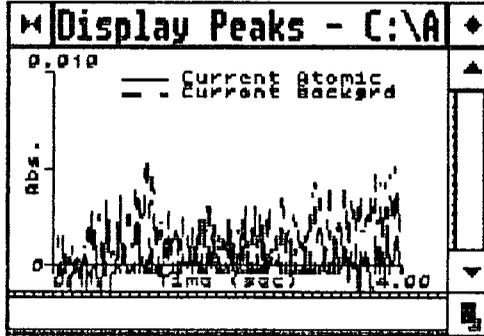
Slope: 0.0018

Int: 0.000



0289





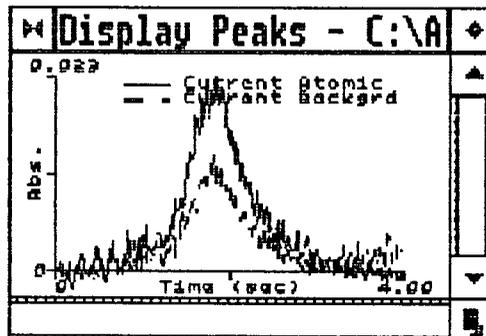
Mean Conc (ug/L ): -0.3 SD: 0.18 RSD(%): 66.09  
 QC sample is within range -10.0 - 10.0

~~~~~  
 T1 ID: CRA Seq. No.: 00014 A/S Pos.: 3 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 3  
 Replicate 1 Time: 15:29  
 Peak Area (A-s): 0.019 Peak Height (A): 0.024  
 Background PK Area (A-s): 0.014 Background PK Height (A): 0.015  
 Blank Corrected PK Area (A-s): 0.018  
 Concentration (ug/L ): 10.4

uL dispensed: 4 from 2, 5 from 1, 20 from 3  
 Replicate 2 (Peak Stored) Time: 15:32  
 Peak Area (A-s): 0.019 Peak Height (A): 0.023  
 Background PK Area (A-s): 0.013 Background PK Height (A): 0.014  
 Blank Corrected PK Area (A-s): 0.018  
 Concentration (ug/L ): 10.2

10 ppb



0201

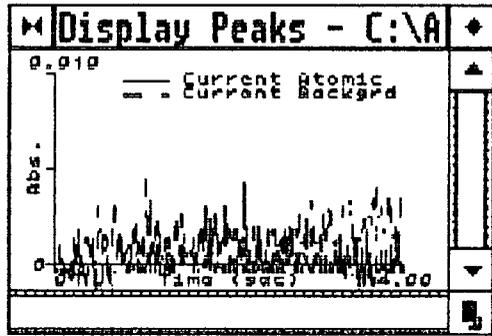
Mean Conc (ug/L ): 10.3 SD: 0.16 RSD(%): 1.51

QC sample is within range 5 - 20  
 ~~~~~

*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

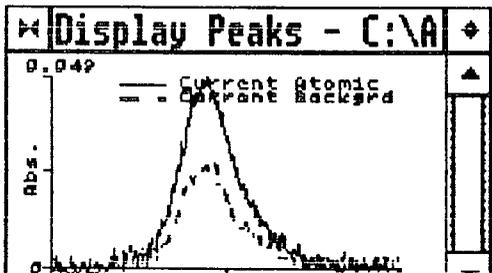


Mean Conc (ug/L ): -0.3 SD: 0.18 RSD(%): 60.63

*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

*20 ppb  
post spike*



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

112.0%

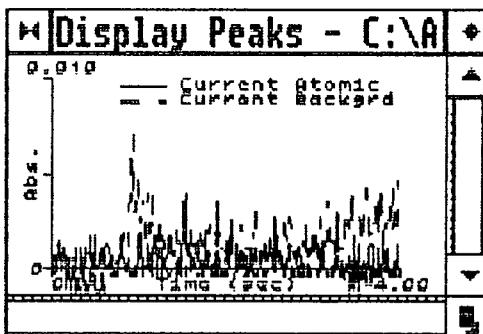
Recovery is ~~113.5%~~

T1 ID: PBLK-H2O Seq. No.: 00017 A/S Pos.: 11 Date: 10/24/94

PBWol

uL dispensed: 4 from 2, 5 from 1, 20 from 11  
Replicate 1 Time: 15:45  
Peak Area (A-s): -0.000 Peak Height (A): 0.004  
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.006  
Blank Corrected Pk Area (A-s): -0.001  
Concentration (ug/L ): -0.6

uL dispensed: 4 from 2, 5 from 1, 20 from 11  
Replicate 2 (Peak Stored) Time: 15:48  
Peak Area (A-s): 0.001 Peak Height (A): 0.004  
Background Pk Area (A-s): 0.005 Background Pk Height (A): 0.008  
Blank Corrected Pk Area (A-s): -0.000  
Concentration (ug/L ): -0.1



Mean Conc (ug/L ): -0.4 SD: 0.37 RSD(%): 98.98

T1 ID: PBLK-H2O • A Seq. No.: 00018 A/S Pos.: 11 Date: 10/24/94

PBWol

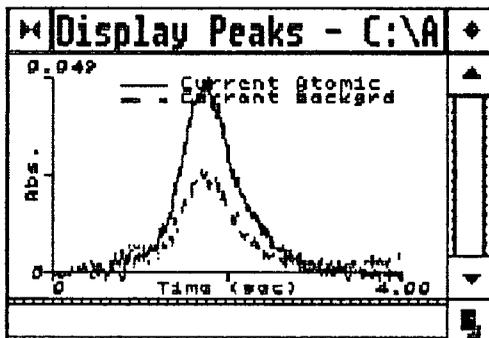
uL dispensed: 5 from 1, 4 from 6, 20 from 11  
Replicate 1 Time: 15:50  
Peak Area (A-s): 0.038 Peak Height (A): 0.046  
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.026  
Blank Corrected Pk Area (A-s): 0.037  
Concentration (ug/L ): 21.1

uL dispensed: 5 from 1, 4 from 6, 20 from 11  
Replicate 2 (Peak Stored) Time: 15:53  
Peak Area (A-s): 0.038 Peak Height (A): 0.049  
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.027  
Blank Corrected Pk Area (A-s): 0.037  
Concentration (ug/L ): 21.2

0293

20 ppb  
post spike

106.0%



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

Recovery is ~~107.7%~~

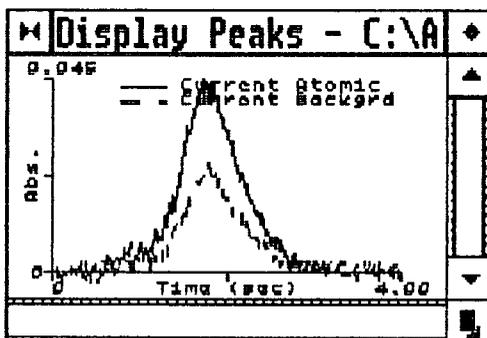
~~~~~  
T1 ID: LCSS Seq. No.: 00019 A/S Pos.: 12 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 12  
 Replicate 1 Time: 15:56  
 Peak Area (A-s): 0.037 Peak Height (A): 0.042  
 Background Pk Area (A-s): 0.022 Background Pk Height (A): 0.023  
 Blank Corrected Pk Area (A-s): 0.036  
 Concentration (ug/L ): 20.3 Corrected Conc (ug/L ): 40.6

uL dispensed: 4 from 2, 5 from 1, 20 from 12  
 Replicate 2 (Peak Stored) Time: 15:58  
 Peak Area (A-s): 0.037 Peak Height (A): 0.045  
 Background Pk Area (A-s): 0.023 Background Pk Height (A): 0.026  
 Blank Corrected Pk Area (A-s): 0.036  
 Concentration (ug/L ): 20.5 Corrected Conc (ug/L ): 41.1

2x dilution  
TV=40

102.0%



0294

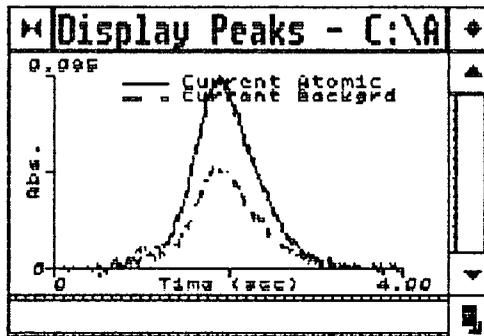
Mean Conc (ug/L ): 20.4 SD: 0.17 RSD(%): 0.82  
Corrected Conc (ug/L ): 40.8

~~~~~  
T1 ID: LCSS • A Seq. No.: 00000 A/S Pos.: 12 Date: 10/24/94

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%

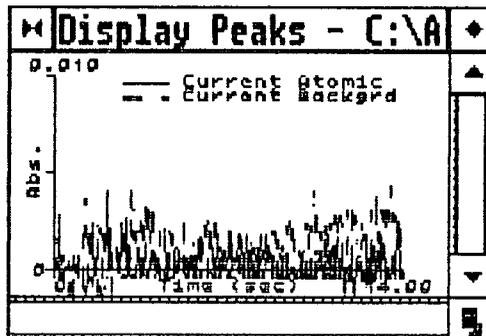
Mean Conc (ug/L ): 42.0 SD: 0.40 RSD(%): 0.96  
 Corrected Conc (ug/L ): 84.0

Recovery is 107.9%

~~~~~  
 T1 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



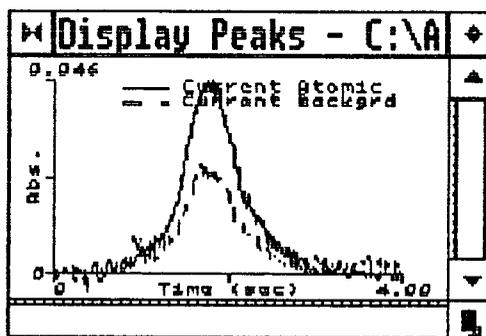
Mean Conc (ug/L ): -0.4 SD: 0.22 RSD(%): 50.66

~~~~~  
 T1 ID: FIELD BLK *A* Seq. No.: 00022 A/S Pos.: 13 Date: 10/24/94

uL dispensed: 5 from 1, 4 from 6, 20 from 13  
 Replicate 1 Time: 16:12  
 Peak Area (A-s): 0.039 Peak Height (A): 0.045  
 Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.025  
 Blank Corrected Pk Area (A-s): 0.038  
 Concentration (ug/L ): 21.5

uL dispensed: 5 from 1, 4 from 6, 20 from 13  
 Replicate 2 (Peak Stored) Time: 16:14  
 Peak Area (A-s): 0.038 Peak Height (A): 0.046  
 Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.026  
 Blank Corrected Pk Area (A-s): 0.037  
 Concentration (ug/L ): 21.1

*106.5%*



0296

Mean Conc (ug/L ): 21.3 SD: 0.26 RSD(%): 1.22

Recovery is 108.6%

~~~~~  
 T1 ID: CCV Seq. No.: 00023 A/S Pos.: 4 Date: 10/24/94

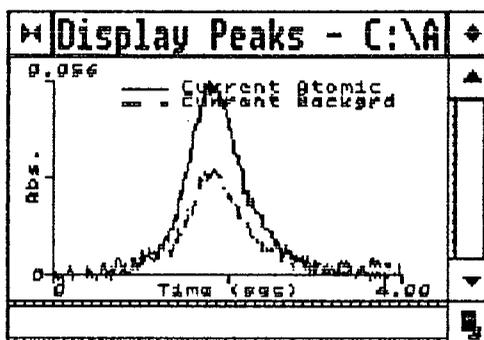
uL dispensed: 4 from 2, 5 from 1, 20 from 4  
Replicate 1  
Peak Area (A-s): 0.046  
Background Pk Area (A-s): 0.028  
Blank Corrected Pk Area (A-s): 0.045

Time: 16:17  
Peak Height (A): 0.056  
Background Pk Height (A): 0.029

Concentration (ug/L ): 25.4

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

Time: 16:19  
Peak Height (A): 0.056  
Background Pk Height (A): 0.031



101.2 %

±v=25.0

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

QC sample is within range 22.5 - 27.5

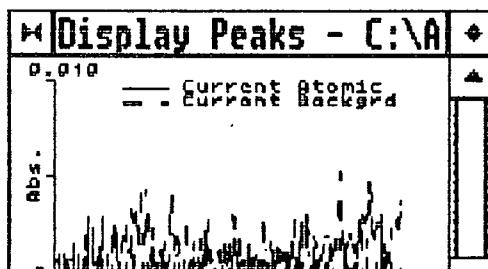
~~~~~  
T1 ID: CCB Seq. No.: 00024 A/S Pos.: 2 Date: 10/24/94

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

Time: 16:22  
Peak Height (A): 0.003  
Background Pk Height (A): 0.007

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

Time: 16:24  
Peak Height (A): 0.003  
Background Pk Height (A): 0.005



0297

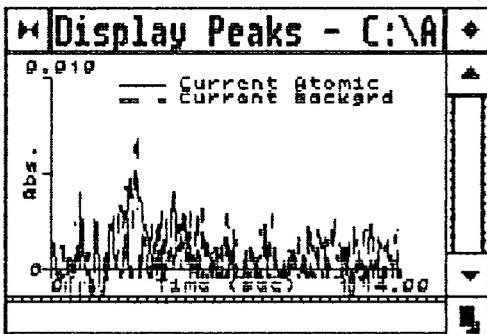
Mean Conc (ug/L ): -0.4 SD: 0.02 RSD(%): 4.25

QC sample is within range -10.0 - 10.0

T1 ID: 1005-02 A44C Seq. No.: 00025 A/S Pos.: 14 Date: 10/24/94

*MS-4C*  
uL dispensed: 4 from 2, 5 from 1, 20 from 14  
Replicate 1 Time: 16:27  
Peak Area (A-s): 0.001 Peak Height (A): 0.003  
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.006  
Blank Corrected Pk Area (A-s): 0.000  
Concentration (ug/L ): 0.0

uL dispensed: 4 from 2, 5 from 1, 20 from 14  
Replicate 2 (Peak Stored) Time: 16:30  
Peak Area (A-s): 0.000 Peak Height (A): 0.004  
Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.007  
Blank Corrected Pk Area (A-s): -0.001  
Concentration (ug/L ): -0.4



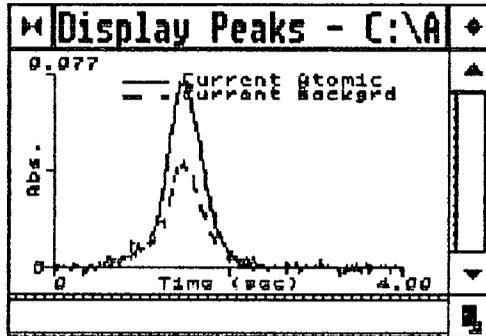
Mean Conc (ug/L ): -0.2 SD: 0.29 RSD(%): 157.57

T1 ID: 1005-02 A44C *.A* Seq. No.: 00026 A/S Pos.: 14 Date: 10/24/94

uL dispensed: 5 from 1, 4 from 6, 20 from 14  
Replicate 1 Time: 16:32  
Peak Area (A-s): 0.041 Peak Height (A): 0.075  
Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.046  
Blank Corrected Pk Area (A-s): 0.040  
Concentration (ug/L ): 22.5

uL dispensed: 5 from 1, 4 from 6, 20 from 14  
Replicate 2 (Peak Stored) Time: 16:35  
Peak Area (A-s): 0.039 Peak Height (A): 0.077  
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.042  
Blank Corrected Pk Area (A-s): 0.039  
Concentration (ug/L ): 21.9

111.0%



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

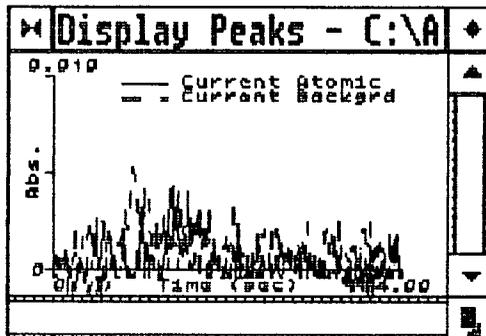
Recovery is 111.9%

~~~~~  
 T1 ID: 1005-02 A22A Seq. No.: 00027 A/S Pos.: 15 Date: 10/24/94

MS-2A

uL dispensed: 4 from 2, 5 from 1, 20 from 15  
 Replicate 1 Time: 16:38  
 Peak Area (A-s): 0.001 Peak Height (A): 0.004  
 Background Pk Area (A-s): 0.003 Background Pk Height (A): 0.006  
 Blank Corrected Pk Area (A-s): 0.000  
 Concentration (ug/L ): -0.1

uL dispensed: 4 from 2, 5 from 1, 20 from 15  
 Replicate 2 (Peak Stored) Time: 16:40  
 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



0299

Mean Conc (ug/L ): 0.0 SD: 0.17 RSD(%): 389.73

~~~~~  
 T1 ID: 1005-02 A22A A Seq. No.: 00028 A/S Pos.: 15 Date: 10/24/94

MS-2A

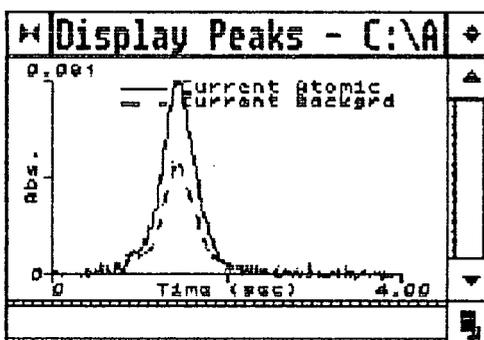
uL dispensed: 5 from 1, 4 from 6, 20 from 15  
Replicate 1  
Peak Area (A-s): 0.040  
Background Pk Area (A-s): 0.026  
Blank Corrected Pk Area (A-s): 0.039

Time: 16:43  
Peak Height (A): 0.079  
Background Pk Height (A): 0.046

Concentration (ug/L ): 22.0

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

Time: 16:46  
Peak Height (A): 0.081  
Background Pk Height (A): 0.047



111.0 %

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

Recovery is 110.8%

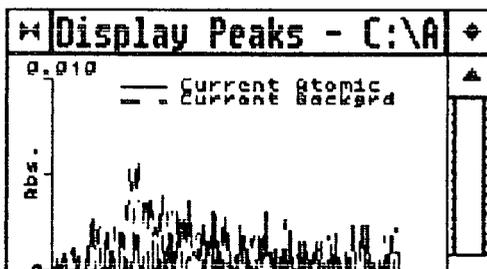
~~~~~  
T1 ID: 1005-02 A22D Seq. No.: 00029 A/S Pos.: 16 Date: 10/24/94

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

Time: 16:48  
Peak Height (A): 0.004  
Background Pk Height (A): 0.005

uL dispensed: 4 from 2, 5 from 1, 20 from 16  
Replicate 2 (Peak Stored)  
Peak Area (A-s): 0.001  
Background Pk Area (A-s): 0.002  
Blank Corrected Pk Area (A-s): 0.001  
Concentration (ug/L ): 0.2

Time: 16:51  
Peak Height (A): 0.004  
Background Pk Height (A): 0.006



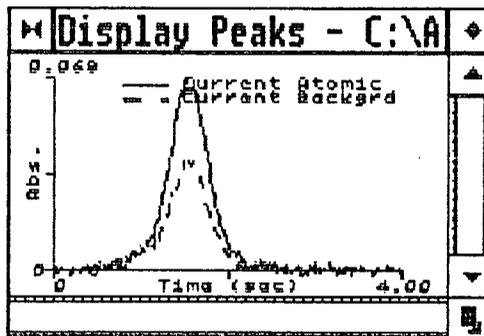
0300

Mean Conc (ug/L ): 0.1 SD: 0.19 RSD(%): 202.84

T1 ID: 1005-02 A22D *A* Seq. No.: 00030 A/S Pos.: 16 Date: 10/24/94

*MS-2 DP*  
uL dispensed: 5 from 1, 4 from 6, 20 from 16  
Replicate 1 Time: 16:54  
Peak Area (A-s): 0.041 Peak Height (A): 0.072  
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.041  
Blank Corrected Pk Area (A-s): 0.040  
Concentration (ug/L ): 22.9

uL dispensed: 5 from 1, 4 from 6, 20 from 16  
Replicate 2 (Peak Stored) Time: 16:56  
Peak Area (A-s): 0.042 Peak Height (A): 0.068  
Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.042  
Blank Corrected Pk Area (A-s): 0.039  
Concentration (ug/L ): 21.9



Mean Conc (ug/L ): 22.4 SD: 0.68 RSD(%): 3.04

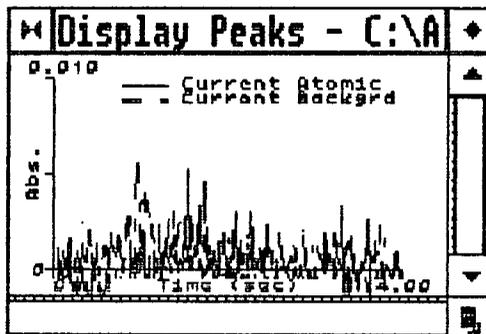
Recovery is 111.6%

T1 ID: A22D MSD Seq. No.: 00031 A/S Pos.: 17 Date: 10/24/94

*MS-2 to MSD*  
uL dispensed: 4 from 2, 5 from 1, 20 from 17  
Replicate 1 Time: 16:59  
Peak Area (A-s): 0.001 Peak Height (A): 0.003  
Background Pk Area (A-s): 0.001 Background Pk Height (A): 0.006  
Blank Corrected Pk Area (A-s): 0.000  
Concentration (ug/L ): -0.0

uL dispensed: 4 from 2, 5 from 1, 20 from 17  
Replicate 2 (Peak Stored) Time: 17:02  
Peak Area (A-s): 0.001 Peak Height (A): 0.005  
Background Pk Area (A-s): 0.002 Background Pk Height (A): 0.007  
Blank Corrected Pk Area (A-s): -0.000  
Concentration (ug/L ): -0.2

0301



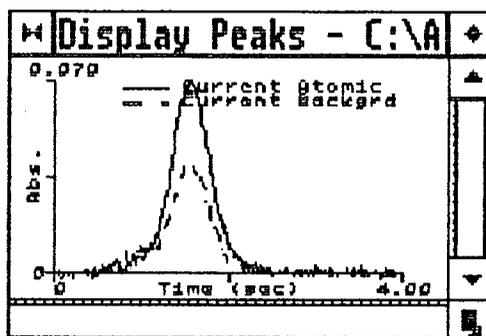
Mean Conc (ug/L ): -0.1 SD: 0.11 RSD(%): 99.60

~~~~~  
 T1 ID: A22D MSD .A Seq. No.: 00032 A/S Pos.: 17 Date: 10/24/94

*MS-20MSD*

uL dispensed: 5 from 1, 4 from 6, 20 from 17  
 Replicate 1 Time: 17:05  
 Peak Area (A-s): 0.041 Peak Height (A): 0.070  
 Background Pk Area (A-s): 0.024 Background Pk Height (A): 0.041  
 Blank Corrected Pk Area (A-s): 0.040  
 Concentration (ug/L ): 22.5

uL dispensed: 5 from 1, 4 from 6, 20 from 17  
 Replicate 2 (Peak Stored) Time: 17:07  
 Peak Area (A-s): 0.040 Peak Height (A): 0.070  
 Background Pk Area (A-s): 0.025 Background Pk Height (A): 0.042  
 Blank Corrected Pk Area (A-s): 0.039  
 Concentration (ug/L ): 22.2



*112.0%*

Mean Conc (ug/L ): 22.4 SD: 0.19 RSD(%): 0.86

Recovery is 112.4%

0302

~~~~~  
 T1 ID: CCV Seq. No.: 00033 A/S Pos.: 4 Date: 10/24/94

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

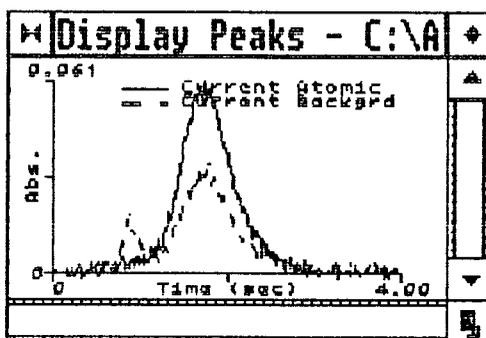
Time: 17:10  
Peak Height (A): 0.058  
Background Pk Height (A): 0.033

Concentration (ug/L ): 25.1

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

Time: 17:12  
Peak Height (A): 0.061  
Background Pk Height (A): 0.035

100.4%



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

QC sample is within range 22.5 - 27.5

~~~~~  
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

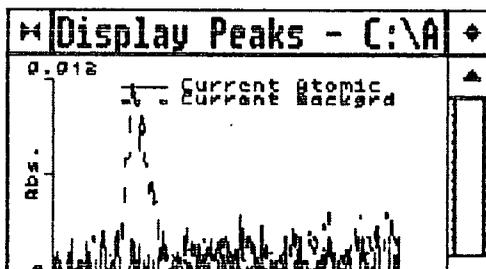
Replicate 1  
Peak Area (A-s): 0.000  
Background Pk Area (A-s): 0.006  
Blank Corrected Pk Area (A-s): -0.001  
Concentration (ug/L ): -0.5

Time: 17:15  
Peak Height (A): 0.004  
Background Pk Height (A): 0.016

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

Replicate 2 (Peak Stored)  
Peak Area (A-s): 0.001  
Background Pk Area (A-s): 0.006  
Blank Corrected Pk Area (A-s): -0.000  
Concentration (ug/L ): -0.3

Time: 17:18  
Peak Height (A): 0.004  
Background Pk Height (A): 0.012



0303

Mean Conc (ug/L ): -0.4 SD: 0.12 RSD(%): 31.55

QC sample is within range -10.0 - 10.0

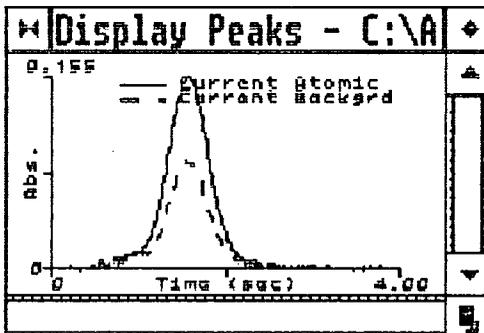
T1 ID: A22D MS Seq. No.: 00035 A/S Pos.: 18 Date: 10/24/94

*MS to MS*

uL dispensed: 4 from 2, 5 from 1, 20 from 18  
Replicate 1 Time: 17:20  
Peak Area (A-s): 0.094 Peak Height (A): 0.155  
Background Pk Area (A-s): 0.056 Background Pk Height (A): 0.091  
Blank Corrected Pk Area (A-s): 0.093  
Concentration (ug/L ): 52.7

uL dispensed: 4 from 2, 5 from 1, 20 from 18  
Replicate 2 (Peak Stored) Time: 17:23  
Peak Area (A-s): 0.096 Peak Height (A): 0.155  
Background Pk Area (A-s): 0.055 Background Pk Height (A): 0.089  
Blank Corrected Pk Area (A-s): 0.095  
Concentration (ug/L ): 53.9

*+v = 50*  
*106.6%*



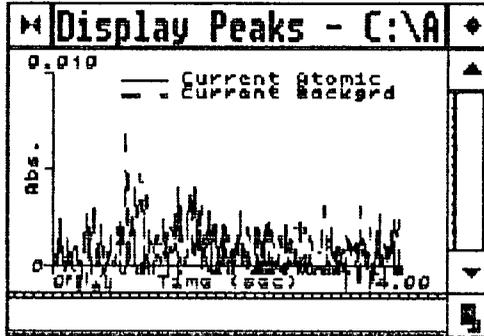
Mean Conc (ug/L ): 53.3 SD: 0.82 RSD(%): 1.53

T1 ID: 1005-02 A11D Seq. No.: 00036 A/S Pos.: 19 Date: 10/24/94

*MS-ID*

uL dispensed: 4 from 2, 5 from 1, 20 from 19  
Replicate 1 Time: 17:26  
Peak Area (A-s): 0.001 Peak Height (A): 0.004  
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.006  
Blank Corrected Pk Area (A-s): 0.000  
Concentration (ug/L ): -0.0

uL dispensed: 4 from 2, 5 from 1, 20 from 19  
Replicate 2 (Peak Stored) Time: 17:28  
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): 0.001  
Concentration (ug/L ): 0.2

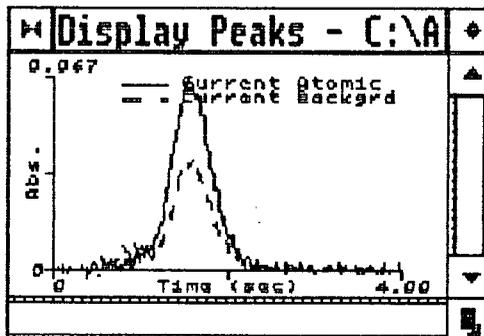


Mean Conc (ug/L ): 0.1 SD: 0.19 RSD(%): 224.77

T1 ID: 1005-02 A11D *A* Seq. No.: 00037 A/S Pos.: 19 Date: 10/24/94

*MS-ID*  
 uL dispensed: 5 from 1, 4 from 6, 20 from 19  
 Replicate 1 Time: 17:31  
 Peak Area (A-s): 0.040 Peak Height (A): 0.070  
 Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.039  
 Blank Corrected Pk Area (A-s): 0.039  
 Concentration (ug/L ): 22.2

uL dispensed: 5 from 1, 4 from 6, 20 from 19  
 Replicate 2 (Peak Stored) Time: 17:34  
 Peak Area (A-s): 0.038 Peak Height (A): 0.067  
 Background Pk Area (A-s): 0.026 Background Pk Height (A): 0.038  
 Blank Corrected Pk Area (A-s): 0.037  
 Concentration (ug/L ): 21.2



*108.5%*

Mean Conc (ug/L ): 21.7 SD: 0.68 RSD(%): 3.14

Recovery is 108.0%

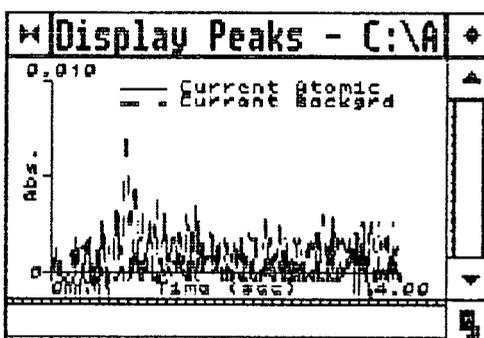
0305

T1 ID: 1005-02 A11C Seq. No.: 00038 A/S Pos.: 20 Date: 10/24/94

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

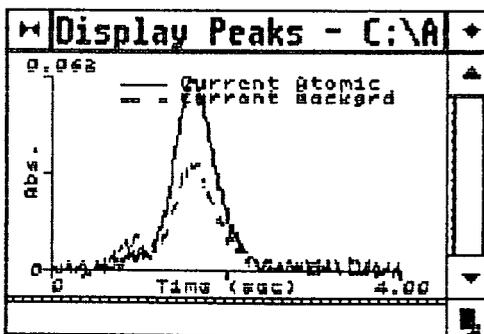


Mean Conc (ug/L ): -0.2 SD: 0.28 RSD(%): 127.20

T1 ID: 1005-02 A11C <sup>o.A</sup> MS-1CA Seq. No.: 00039 A/S Pos.: 20 Date: 10/24/94

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

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

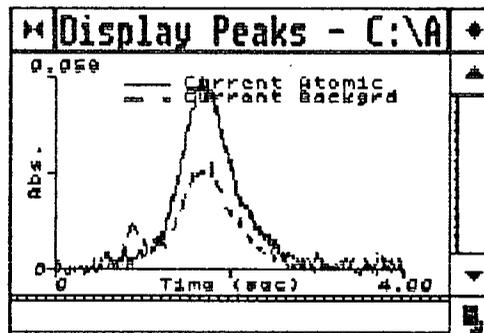
Recovery is ~~104.8%~~

T1 ID: CCV Seq. No.: 00040 A/S Pos.: 4 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 4  
Replicate 1 Time: 17:47  
Peak Area (A-s): 0.044 Peak Height (A): 0.060  
Background Pk Area (A-s): 0.031 Background Pk Height (A): 0.034  
Blank Corrected Pk Area (A-s): 0.043  
Concentration (ug/L ): 24.3

uL dispensed: 4 from 2, 5 from 1, 20 from 4  
Replicate 2 (Peak Stored) Time: 17:49  
Peak Area (A-s): 0.044 Peak Height (A): 0.052  
Background Pk Area (A-s): 0.030 Background Pk Height (A): 0.032  
Blank Corrected Pk Area (A-s): 0.043  
Concentration (ug/L ): 24.3

97.2%



Mean Conc (ug/L ): 24.3 SD: 0.05 RSD(%): 0.20

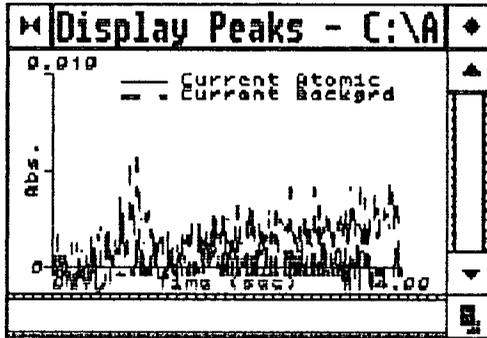
QC sample is within range 22.5 - 27.5

T1 ID: CCB Seq. No.: 00041 A/S Pos.: 2 Date: 10/24/94

uL dispensed: 4 from 2, 5 from 1, 20 from 2  
Replicate 1 Time: 17:51  
Peak Area (A-s): 0.000 Peak Height (A): 0.004  
Background Pk Area (A-s): 0.004 Background Pk Height (A): 0.004  
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: 17:53  
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): -0.001  
Concentration (ug/L ): -0.9

0307



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 |

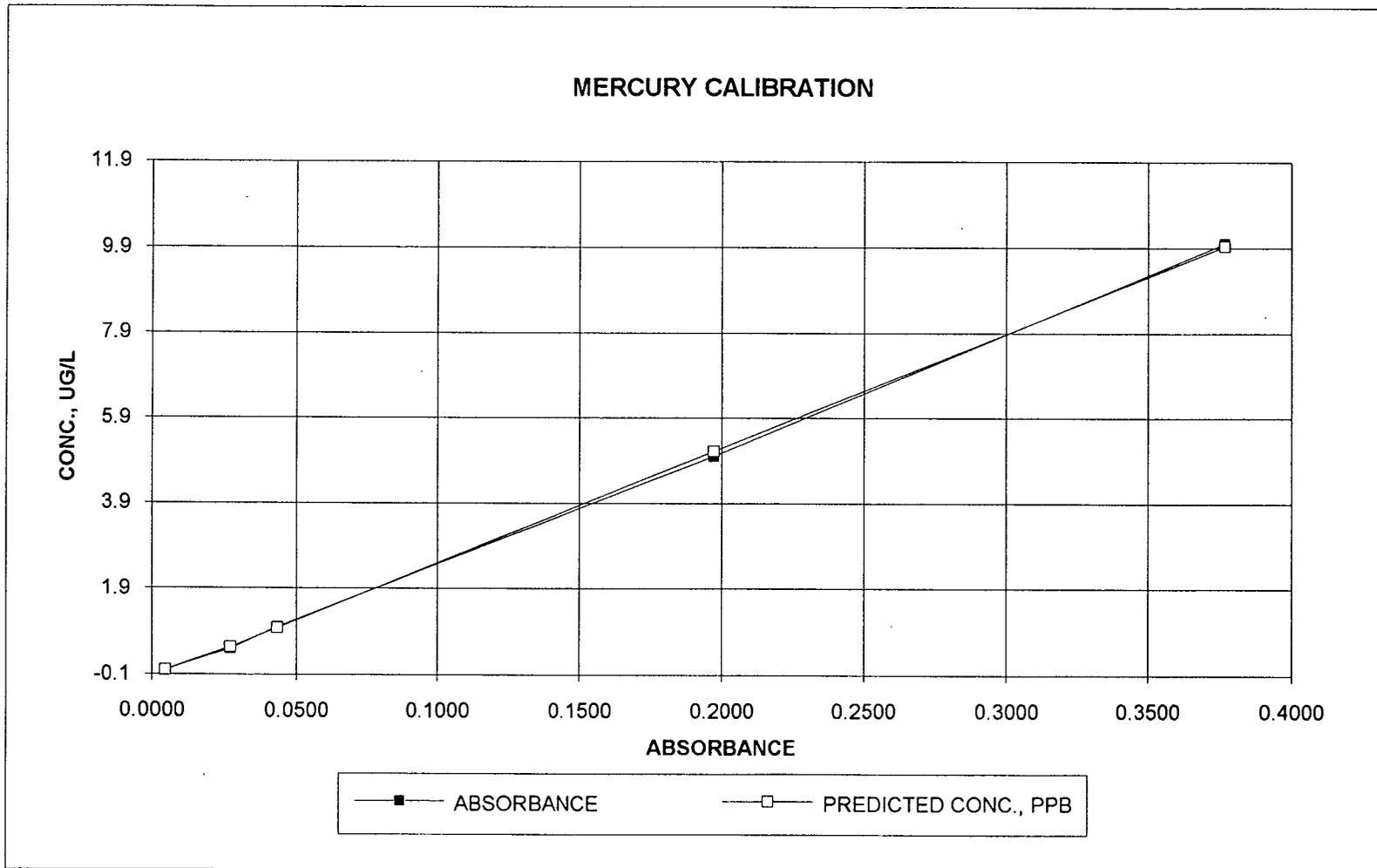
*Regression Statistics*

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

*Analysis of Variance*

|            | <i>df</i> | <i>Sum of Squares</i> | <i>Mean Square</i> | <i>F</i> | <i>Significance F</i> |
|------------|-----------|-----------------------|--------------------|----------|-----------------------|
| Regression | 1         | 71.77673696           | 71.77673696        | 9256.322 | 2.48E-06              |
| Residual   | 3         | 0.023263041           | 0.007754347        |          |                       |
| Total      | 4         | 71.8                  |                    |          |                       |

|           | <i>Coefficients</i> | <i>Standard Error</i> | <i>t</i> <i>Statistic</i> | <i>P</i> - <i>value</i> | <i>Lower</i> <i>95%</i> | <i>Upper</i> <i>95%</i> |
|-----------|---------------------|-----------------------|---------------------------|-------------------------|-------------------------|-------------------------|
| 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                |





**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 |

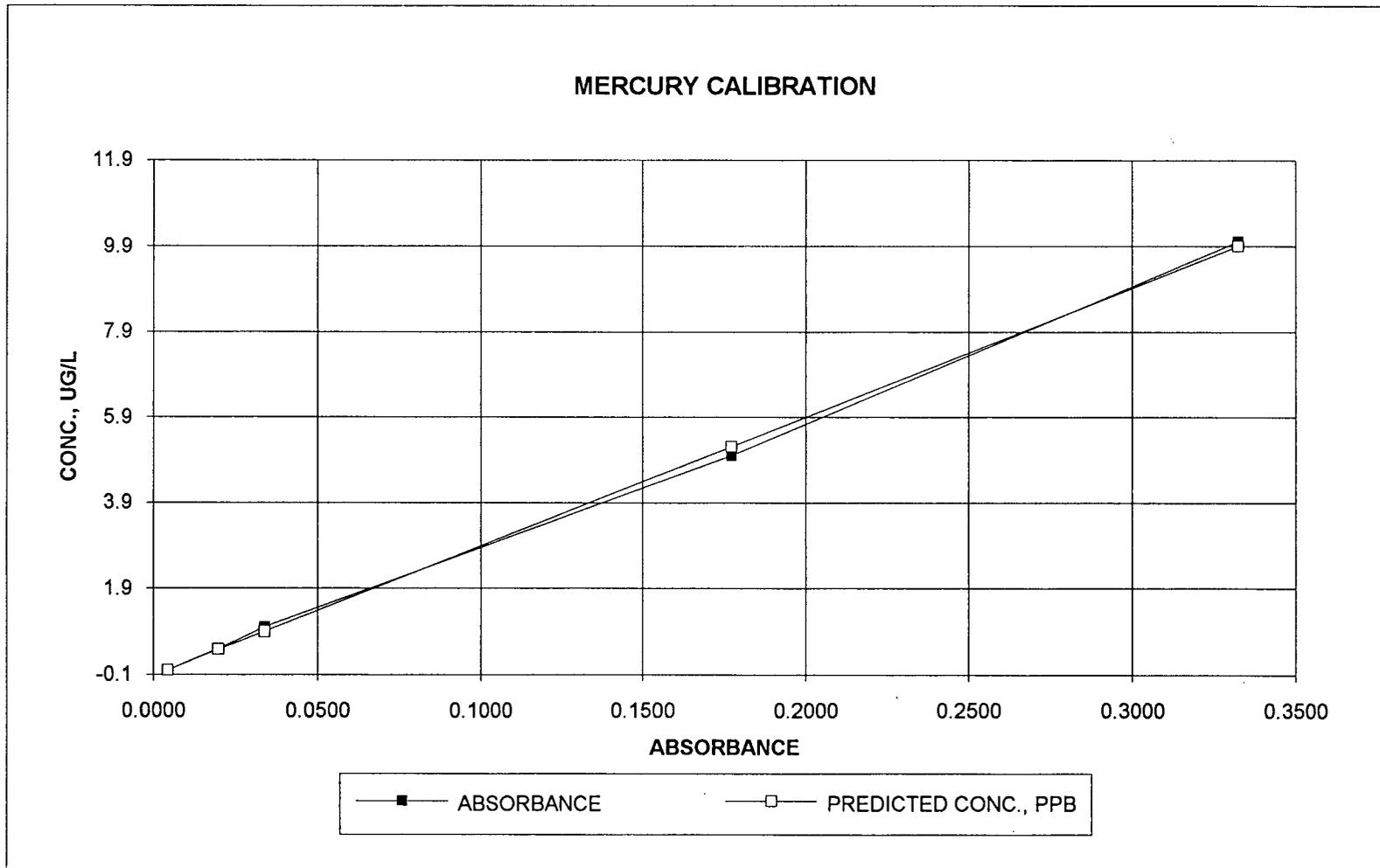
*Regression Statistics*

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

*Analysis of Variance*

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

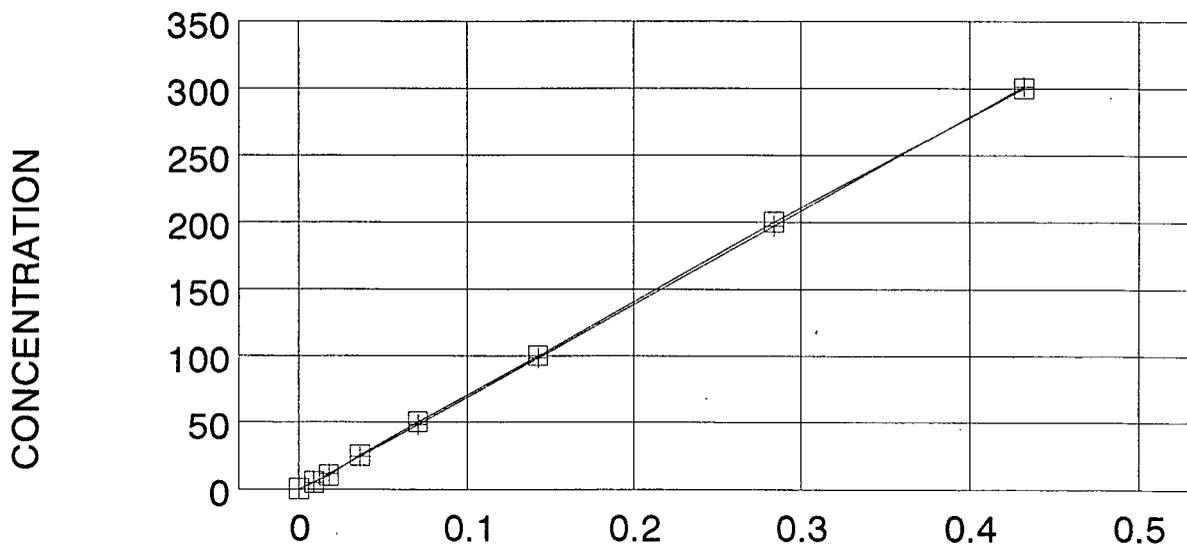
|           | <i>Coefficients</i> | <i>Standard Error</i> | <i>t</i>     | <i>P-value</i> | <i>Lower 95%</i> | <i>Upper 95%</i> |
|-----------|---------------------|-----------------------|--------------|----------------|------------------|------------------|
| Intercept | -0.122071228        | 0.090834532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





# Regression Output:

CYANIDE  
DATE:10/14/94



## ABSORBANCE

□ actual + predicted

| ug/l CN | 'PERCENT ABSORB | ACTUAL CM | 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       |
| <del>AR-4S-4G</del> MS-1A | 100        | 0.0000 | 0.00    | 4.74       | 81.00    | 0.00  | 0.26      |
| <del>A2S-2A</del> MS-2A   | 98         | 0.0088 | 6.12    | 4.98       | 73.00    | 0.17  | 0.28      |
| <del>A2S-2B</del> MS-2D   | 99         | 0.0044 | 3.05    | 4.97       | 77.00    | 0.08  | 0.26      |
| <del>A1S-1B</del> MS-1D   | 98         | 0.0088 | 6.12    | 4.63       | 69.00    | 0.19  | 0.31      |
| <del>A1S-1G</del> 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    | 3.99  | 10        |
| GP C MS10                 | 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 ICLV):

10ml Leeman CLP-1; 2ml CLP-2;

1ml CLP-3; 10ml Leeman CLP-4  $\uparrow$  100ml

Furnace LCS for Pb, Se, Ti:

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

Furnace LCS for As:

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

ICP LCS for Sb:

1ml Spex QC-19  $\uparrow$  100ml (final conc = 1ppm)

ICP spike:

3ml Spex spike-1  $\uparrow$  200ml

Furnace spike:

10ml 100X Spex ICAL-4  $\uparrow$  200ml  
(1ml Spex ICAL-4  $\uparrow$  100ml)

Final conc As, Ti = 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  $\rightarrow$  100ml

Furnace LCS for Pb, Se, Ti:

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

Furnace LCS for As:

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

ICP LCS for Sb:

1ml Spex QC-19  $\rightarrow$  100ml (final conc = 1ppm)

ICP spike:

3ml Spex spike-1  $\rightarrow$  200ml

Furnace spike:

10ml 100X Spex ICAL-4  $\rightarrow$  200ml  
(1ml Spex ICAL-4  $\rightarrow$  100ml)

Final conc As, Ti = 50ppb

Se, Pb = 25ppb

10/7/94 DES

CLP calibration std

5% HCL 5% HNO<sub>3</sub>

Source: SPEX ICAL-4

Cal std: 10ml ICAL-4  $\uparrow$  100ml

Pb concentration: 5 mg/L

SPEX std used for CCV (1/2 cal std)

Source: SPEX ICAL-4

CCV: 5ml ICAL-4  $\uparrow$  100ml 5% HCL  
5% HNO<sub>3</sub>

Pb concentration: 2.5 mg/L

Leeman std's used for ICV

5% HCL 5% HNO<sub>3</sub>

Source: Leeman CLP std-4

ICV: 10ml CLP std 4

Pb concentration: 5 mg/L

2x IDL std for Pb: 5% HCL  
5% HNO<sub>3</sub>

2ml 1ppm Pb  $\uparrow$  25ml = 0.08ppm Pb  
(Johnson Matthey)

10/7/94 DES

CLP calibration std

5% HCL 5% HNO<sub>3</sub>

source: SPEX ICAL-4

Cal std: 10ml ICAL-4  $\uparrow$  100ml

Pb concentration: 5 mg/L

SPEX std used for CCV (1/2 cal std)

source: SPEX ICAL-4

CCV: 5ml ICAL-4  $\uparrow$  100ml 5% HCL  
5% HNO<sub>3</sub>

Pb concentration: 2.5 mg/L

Leeman std's used for ICV

5% HCL 5% HNO<sub>3</sub>

source: Leeman CLP std-4

ICV: 10ml CLP std 4

Pb concentration: 5 mg/L

2x IDL std for Pb: 5% HCL  
5% HNO<sub>3</sub>

2ml 1ppm Pb  $\uparrow$  25ml = 0.08ppm Pb  
(Johnson Matthey)

10/27/94 DES CLP Calibration

5% HCL 5% HNO<sub>3</sub>

Source: SPEXICAL-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 (1/2 cal std)

5% HCL 5% HNO<sub>3</sub>

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<sub>3</sub>

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  |



# 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 deionized water and triple rinsed bottles. All glassware used is class A.

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



Printed on Recycled Paper

**CERTIFICATE OF ANALYSIS**

Catalog Number: CRDL-1

Rec'd 1/21/94

Description: Contract Required D.L. Standard

Lot Number: 6-87AS

15007

## 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-S8BDREF, 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  $\pm 0.5\%$  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 deionized water and triple rinsed bottles. All glassware used is class A.

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



**SPEX**

12/10 10/12  
ISO 9001  
SPEX  
111

# 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  $\pm 0.5\%$  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 deionized water and triple rinsed bottles. All glassware used is class A.

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

**SPEX**



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# Lead

Supplier Johnson Matthey 1000 µg/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 µg/ml Pb 1:100ml DI in 5% HNO<sub>3</sub>

## Template

|        |            |   |                                         |
|--------|------------|---|-----------------------------------------|
|        | final vol. |   | 1% HNO <sub>3</sub>                     |
| Blank  | 100ml      | - | 1ml HNO <sub>3</sub>                    |
| 3 ppb  | 50ml       | - | 3ml 50 ppb std + 50ml                   |
| 10 ppb | 10ml       | - | 2ml 50 ppb std + 8ml BLK                |
| 25 ppb | 50ml       | - | 25ml 50 ppb std + 25ml BLK              |
| 50 ppb | 100ml      | - | 2ml HNO <sub>3</sub> + 0.5ml 10 ppm std |
| 5 ppb  | 10ml       | - | 1ml 50 ppb std + 9ml BLK                |

0328

| Initial Sm | Date    | conc. ppb       | Date    | conc. ppb              |
|------------|---------|-----------------|---------|------------------------|
|            | 3/15/94 | 5, 10, 25, 50   | 5/13/94 | 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 <sup>from</sup> |
|            | 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 <sub>3</sub> |     |
| 10/7/94  | 10, 25, 50     | 1% HNO <sub>3</sub> |     |
| 10/17/94 | 3, 25, 50, 100 | 1% HNO <sub>3</sub> | CLP |
| 10/20/94 | 3, 25, 50, 100 | 2% HNO <sub>3</sub> | CLP |
| 11/14/94 | 10, 25, 50     | 1% HNO <sub>3</sub> |     |



# Selenium (cont.)

|           | Date       | Conc.                     |                         |
|-----------|------------|---------------------------|-------------------------|
| dm        | 8/17/94    | 5, 10, 25, 50             | 2% HNO <sub>3</sub>     |
|           | 9/1/94     | 5, 10, 25, 50             | 2% HNO <sub>3</sub>     |
|           | 10/3/94    | 5, 10, 25, 50             | 1% HNO <sub>3</sub>     |
| 10/10/94, | 10/24/94   | 5, 10, 25, 50             | 2% HNO <sub>3</sub> CLP |
|           | 11/3/94 dm | 5, <del>10</del> , 25, 50 | 2% HNO <sub>3</sub> CLP |

# Thallium

Supplier: Johnson Matthey      1000 µg/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 µg/ml Tl → 100 ml DI in 5% HNO<sub>3</sub>

## Template

final  
vol.

- BLK - 100ml DI - 1ml HNO<sub>3</sub> 1%
- 50 ppb - 100ml - 1ml HNO<sub>3</sub> + 0.5ml 10 ppm std
- 25 ppb - 50ml - 25ml 50 ppb std + 25ml BLK
- 10 ppb - 10ml - 2ml 50 ppb std + 8ml BLK
- 100 ppb - 100ml - 1% HNO<sub>3</sub> + 1ml 10 ppm std

| Initial Date | Conc<br>ppb     | Date     | Conc<br>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 <sup>2% HNO<sub>3</sub></sup> |
| 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 <sup>2% HNO<sub>3</sub></sup> |
| 4/18/94      | 10, 25, 50      | 11/3/94  | 10, 25, 50, 100 <sup>2% HNO<sub>3</sub></sup> |
| 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<sub>3</sub>

1ml (1000ppm Hg  
Johnson Matthey)  $\nearrow$  100ml = 10ppm Hg

10ml (10ppm Hg)  $\nearrow$  1000ml = 100ppb Hg

Hg working std's:

10ml (100ppb Hg)  $\nearrow$  100ml = 10ppb

5ml (100ppb Hg)  $\nearrow$  100ml = 5ppb

1ml (100ppb Hg)  $\nearrow$  100ml = 1ppb

0.5ml (100ppb Hg)  $\nearrow$  100ml = 0.5ppb

ICV:

1ml (ERA 500ppb Std)  $\nearrow$  100ml = 5ppb

CCV:

2.5ml (100ppb Std)  
Johnson Matthey  $\nearrow$  100ml = 2.5ppb

CRA:

2ml (10ppb Hg)  
Johnson Matthey  $\nearrow$  100ml = 0.2ppb

10/24/94 Des Hg Std's

100ppb Hg Std: 5% HND<sub>3</sub>  
1ml (1000ppm)  $\uparrow$  100ml = 10ppm  
Johnson Matthey

10ml (10ppm Hg)  $\uparrow$  100ml = 100ppb

Hg working std's:

10ml (100ppb Hg)  $\uparrow$  100ml = 10ppb

5ml (100ppb Hg)  $\uparrow$  100ml = 5ppb

1ml (100ppb Hg)  $\uparrow$  100ml = 1ppb

0.5ml (100ppb Hg)  $\uparrow$  100ml = 0.5ppb

ICV: 1ml (ERA 500ppb Std)  $\uparrow$  100ml = 5ppb

CRA: 2ml (10ppb Hg)  $\uparrow$  100ml = 0.2ppb  
Johnson Matthey

CCV: 2.5ml (100ppb Hg)  $\uparrow$  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

5ml  $\rightarrow$  1000ml then 10  $\rightarrow$  500

10 ppm

Spike 125ml of Std of (Stock 5  $\rightarrow$  1000) = 1250  $\mu$ g/l  
25  $\mu$ g  $\mu$ g soil

### KCN Stock

AgNO<sub>3</sub> (16.60ml) for 20ml KCN

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

10ml  $\rightarrow$  100 = 1 ppm

|                         |             |
|-------------------------|-------------|
| 0.5ml $\rightarrow$ 100 | 5 $\mu$ g/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

| Soilprep: (filtered)        | Beaker # | ICP 5% HCL 8% HNO <sub>3</sub> | Beaker # | Furnace 2% HNO <sub>3</sub>  |
|-----------------------------|----------|--------------------------------|----------|------------------------------|
|                             |          | digestion                      |          | 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                       |
| A2-2Dms Spike Soil added    | 7A       | 1.512g                         | 8A       | 1.511g                       |
| A2-2DMSD                    | 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 ↑ 200ml |
| LCS                         | 24A      | 1.527g crushed glass ↑ 100ml   | 25A      | 1.512g crushed glass ↑ 100ml |
| LCS                         | 26A      | 1.506g crushed glass ↑ 100ml   | 27A      | 1.535g crushed glass ↑ 100ml |
| Waterprep: (did not filter) |          |                                |          |                              |
| Field Blank                 | 28A      | 100ml                          | 29A      | 100ml                        |
| Prep Blank                  | 30A      | DI water ↑ 100ml               | 31A      | DI water ↑ 100ml             |

A238

LCS & spike solutions next page

on: 10:30  
to: 3:00

95°C

10/13/94 DES

Retec-E1012-03 CLP Prep Log

ICP 5% HCl 5% HNO<sub>3</sub>

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 ICP

ICP LCS (digested ICP):

10ml Leeman CLP std - 4 → 100ml

final conc = 5ppm Pb

On: 2:30 95°C

Off: 3:00 95°C

run start: 5:00pm

run finish: 6:40pm

| Bottle #  | Sample                    | wt.                  | Hg- Retec CLP soils<br>VOL. | %T                                  | ppb            |
|-----------|---------------------------|----------------------|-----------------------------|-------------------------------------|----------------|
| 206       | Blank                     |                      | ↑ 100ml                     | 99%                                 |                |
| 239       | 0.5ppb Std                |                      |                             | 94%                                 |                |
| 10        | 1ppb Std                  |                      |                             | 90.5%                               |                |
| 240       | 5ppb Std                  |                      |                             | 63.5%                               |                |
| 17        | 10ppb Std                 |                      |                             | 42%                                 |                |
| 21        | ICV                       |                      |                             | 64.5%                               | 4.93ppb<br>99% |
| 219       | ICB                       |                      |                             | 99%                                 | -0.07ppb       |
| 180       | CRA                       |                      |                             | 97.5% <sup>DES</sup> <del>98%</del> | 0.11ppb        |
| 15        | prep Blank                | 0.228g crushed glass |                             | 99%                                 | -0.07ppb       |
| 67        | LCS                       | 0.235g crushed glass |                             | 66%                                 | 4.66ppb<br>93% |
| E1005-02: |                           |                      |                             |                                     |                |
| 23        | <del>A4-4C</del><br>MS-4C | 0.222g               |                             | 98%                                 | 0.05ppb        |
| 184       | <del>A2-2A</del><br>MS-2A | 0.209g               | ✓                           | 98%                                 | 0.05ppb        |

10/24/94 Des

Hg-continued Retec CLP soils

| Bottle | Sample | wt. | vol. | %T | ppb |
|--------|--------|-----|------|----|-----|
|--------|--------|-----|------|----|-----|

E1005-02:

|     |                           |        |       |       |          |
|-----|---------------------------|--------|-------|-------|----------|
| 230 | <del>A2-2D</del><br>MS-2D | 0.221g | 100ml | 98.5% | -0.01ppb |
|-----|---------------------------|--------|-------|-------|----------|

|    |                               |        |       |     |                |
|----|-------------------------------|--------|-------|-----|----------------|
| 35 | <del>A2-2DMS</del><br>MS-2DMS | 0.219g | 76.8% | 81% | 2.27ppb<br>91% |
|----|-------------------------------|--------|-------|-----|----------------|

|     |                                 |        |  |       |          |
|-----|---------------------------------|--------|--|-------|----------|
| 176 | <del>A2-2DMSD</del><br>MS-2DMSD | 0.222g |  | 98.5% | -0.01ppb |
|-----|---------------------------------|--------|--|-------|----------|

|     |                           |        |  |       |          |
|-----|---------------------------|--------|--|-------|----------|
| 225 | <del>A1-ID</del><br>MS-ID | 0.229g |  | 98.5% | -0.01ppb |
|-----|---------------------------|--------|--|-------|----------|

|    |     |  |  |       |                 |
|----|-----|--|--|-------|-----------------|
| 69 | CCV |  |  | 79.5% | 2.49ppb<br>100% |
|----|-----|--|--|-------|-----------------|

|     |     |  |  |       |          |
|-----|-----|--|--|-------|----------|
| 208 | CCB |  |  | 98.5% | -0.01ppb |
|-----|-----|--|--|-------|----------|

|     |                           |        |  |       |          |
|-----|---------------------------|--------|--|-------|----------|
| 200 | <del>A1-1C</del><br>MS-1C | 0.209g |  | 98.5% | -0.01ppb |
|-----|---------------------------|--------|--|-------|----------|

E1006-05:

|     |                       |        |  |     |         |
|-----|-----------------------|--------|--|-----|---------|
| 223 | Group C-DP#5<br>22222 | 0.220g |  | 98% | 0.05ppb |
|-----|-----------------------|--------|--|-----|---------|

|    |                          |        |  |     |                |
|----|--------------------------|--------|--|-----|----------------|
| 55 | Group C-DP#5 MS<br>22222 | 0.224g |  | 80% | 2.42ppb<br>97% |
|----|--------------------------|--------|--|-----|----------------|

|     |                           |        |  |     |         |
|-----|---------------------------|--------|--|-----|---------|
| 229 | Group C-DP#5 MSD<br>22222 | 0.224g |  | 98% | 0.05ppb |
|-----|---------------------------|--------|--|-----|---------|

|     |                                      |        |  |     |         |
|-----|--------------------------------------|--------|--|-----|---------|
| 197 | Group H-<br>outside<br>gate<br>22222 | 0.215g |  | 72% | 3.65ppb |
|-----|--------------------------------------|--------|--|-----|---------|

10/24/94 DES

Bottle #

Sample

Hg- continued - Retec CLP soil  
wt. vol. %T ppb

E1006-05:

48

Group X - outside gate

0.212g

100ml

78.5%

2.64ppb

22222

34

CCV

80%

2.42ppb  
97%

227

CCB

98.5%

-0.01ppb



on: 1:30 95°C

off: 3:30 95°C

run start: 5:00 pm

run finish: 6:15 pm

10/19/94 DES  
all 2 100ml  
Blank

Hg - Retec CLP - field Blank  
%  
99% ppb

0.5 ppb Std

95.5%

1 ppb Std

92.5%

5 ppb Std

66.5%

10 ppb Std

46.5%

ICV

66.5%

5.22 ppb 104%

ICB

98.5%

0.08 ppb

CRA

97.5% <sup>DES</sup> ~~77%~~

0.21 ppb

Prep Blank

98.5%

0.08 ppb

E1005-02 <sup>Field</sup> BK

99%

0.01 ppb

E1006-05 <sup>Field</sup> BK

99%

0.01 ppb

CCV

82%

2.47 ppb 99% R

CCB

99%

0.01 ppb

0341

# 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<br>Field BK          | 500mls. |     |         |
| 4  | E1005-02<br>Area 4 Sup 4C     | 4.741   |     |         |
| 5  | E1005-02<br>Area 2 Sample A   | 4.980   |     |         |
| 6  | E1005-02<br>Area 2 Sample B D | 4.969   |     |         |
| 7  | E1005-02<br>Area 1 Sample I D | 4.627   |     |         |
| 8  | E1005-02<br>Area 1 Sample K   | 4.991   |     |         |
| 9  | STD                           | 4.968   |     |         |
| 10 | BK                            | 5.070   |     |         |
| 11 | E1005-02<br>2D MS             | 4.953   |     |         |
| 12 | E1005-02<br>Area 2D MSD       | 4.785   |     |         |
| 13 | KCN 50ppb<br>Digested Std     | 4.630   |     |         |
| 14 | E1006-05<br>Group C           | 4.917   |     |         |
| 15 | E1006-05<br>Group H           | 4.956   |     |         |
| 16 | E1006-05<br>Group X           | 5.029   |     |         |
| 17 | STD                           | 5.060   |     |         |
| 18 | BK                            | 5.080   |     |         |
| 19 | E1006-05<br>Field Blank       |         |     |         |
| 20 | E1006-05<br>Group C MS        | 4.843   |     |         |
| 21 | E1006-05<br>Group C MSD       | 5.071   |     |         |

| Seq   |                              | mls | mls out | %T   | Time 10/4/94 DW |
|-------|------------------------------|-----|---------|------|-----------------|
| 0     | Blank                        | —   | —       | 0    | 16:10           |
| 1     | S 5.00                       | —   | —       | 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   | 16:11           |
| 6     | S 200                        | —   | —       | 52   | 16:11           |
| 7     | S 300                        | —   | —       | 37   | 16:11           |
| 1 8   | ICV <sup>Dig</sup> 100       | 500 | 100     | 73   | 16:20           |
| 9     | ICB                          | 100 | 100     | 100  | 16:20           |
| 2 10  | Digest BK                    | 100 | 100     | 99   | 16:20           |
| 3 11  | Field Blank<br>E1005-02      | 100 | 100     | 99   | 16:20           |
| 4 12  | Area 4 4C<br>E1005-02        | 100 | 100     | 100  | 16:21           |
| 5 13  | Area 2 2A<br>E1005-02        | 100 | 100     | 98   | 16:21           |
| 6 14  | Area 2 2D<br>E1005-02        | 100 | 100     | 99   | 16:21           |
| 7 15  | Area 1 1D<br>E1005-02        | 100 | 100     | 98   | 16:21           |
| 8 16  | Area 1 1C<br>E1005-02        | 100 | 100     | 99   | 16:22           |
| 17    | CCU 50ppb                    | 100 | 100     | 86.5 | 16:22           |
| 18    | CCB                          | 100 | 100     | 100  | 16:22           |
| 9 19  | Digest Std<br>RCW 100        | 100 | 100     | 74   | 16:22           |
| 10 20 | Digest BK                    | 100 | 100     | 100  | 16:22           |
| 11 21 | E1005-02<br>Area 2<br>2D MS  | 100 | 100     | 42   | 16:22           |
| 12 22 | E1005-02<br>Area 2<br>2D MSP | 100 | 100     | 99   | 16:23           |
| 13 23 | Digest<br>RCW Std            | 100 | 100     | 85.5 | 16:23           |
| 14 24 | E1006-05<br>Group C          | 100 | 100     | 96   | 16:23           |
| 15 25 | E1006-05<br>Group H          | 100 | 100     | 91   | 16:23           |



19-1 Batch 1 % Solids

E1005-02  
10/5

CLP

% Solids

ED

| Sample ID | 0.976 | 12.376 | 9.857 | 11.400 | 8.881                     | % Solids  | ED    |
|-----------|-------|--------|-------|--------|---------------------------|-----------|-------|
| 1 1A      | 0.976 | 12.376 | 9.857 | 11.400 | 8.881                     | 78 77.9   | 1     |
| 2 1B      | 0.979 | 10.244 | 5.873 | 9.265  | <del>8.894</del><br>8.786 | 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 | 7.781                     | 73 72.5   | 5     |
| 4 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 | 9.124 | 10.286 | 8.15                      | 79 79.2   | 9     |
| V10 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    |       |        |       |        |                           |           | 13    |
| 14 MSD D  |       |        |       |        |                           |           | 14    |
|           |       |        |       |        |                           |           | 15    |
|           |       |        |       |        |                           |           | 16    |
|           |       |        |       |        |                           |           | 17    |
|           |       |        |       |        |                           |           | 18    |
|           |       |        |       |        |                           |           | 19    |
|           |       |        |       |        |                           |           | 20    |
|           |       |        |       |        |                           |           | 21    |
|           |       |        |       |        |                           |           | 22    |
|           |       |        |       |        |                           |           | 23    |
|           |       |        |       |        |                           |           | 24    |
|           |       |        |       |        |                           |           | 25    |
|           |       |        |       |        |                           |           | E0919 |
|           |       |        |       |        |                           |           | 26    |
|           |       |        |       |        |                           |           | 27    |
|           |       |        |       |        |                           |           | 28    |

# NETL-19-1

## BATCH 2

% Solids

| Top | Sample ID            | Value 1 | TA 10/14/94      | Value 2 | Value 3 | Value 4 | Value 5 |
|-----|----------------------|---------|------------------|---------|---------|---------|---------|
|     | E1012-3 Retec-CLP-19 |         |                  |         |         |         |         |
|     | 2F                   | .993    | <del>7.833</del> | 6.595   | 6.829   | 5.602   | 8200    |
|     | 3A                   | .996    | <del>7.768</del> | 6.270   | 6.772   | 5.274   | 7877.9  |
|     | 3B                   | .994    | <del>7.570</del> | 6.085   | 6.576   | 5.896   | 8577.5  |
|     | 5A                   | .992    | <del>7.931</del> | 6.302   | 6.939   | 5.310   | 7776.5  |
|     | 5B                   | .982    | <del>6.522</del> | 5.409   | 5.540   | 4.427   | 8079.9  |

SUC-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

**NEW ENGLAND TESTING LABORATORY, INC.**

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

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| RAW QC DATA                  | 438  |
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| END                          | 1187 |

## 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
  - Volatilic organics
  - Semivolatilic 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 |
|----------------------------------|---------------------------------|
| <b>Total lead, mg/kg</b>         | <b>320</b>                      |
| <b>PESTICIDES, mg/kg</b>         |                                 |
| <b>Chlordane</b>                 | <b>3.07</b>                     |
| <b>4,4-DDT</b>                   | <b>11.0</b>                     |
| <b>cPAHs, mg/kg</b>              |                                 |
| <b>Benzo(a)anthracene</b>        | <b>0.049</b>                    |
| <b>Benzo(b)fluoranthene</b>      | <b>0.049</b>                    |
| <b>Benzo(k)fluoranthene</b>      | <b>0.049</b>                    |
| <b>Benzo(a)pyrene</b>            | <b>0.049</b>                    |
| <b>Chrysene</b>                  | <b>0.049</b>                    |
| <b>Dibenz(a,h)anthracene</b>     | <b>0.049</b>                    |
| <b>Indeno(1,2,3-c,d)perlyene</b> | <b>0.049</b>                    |
| <b>PCB Aroclors, mg/kg</b>       |                                 |
| <b>1016</b>                      | <b>0.074</b>                    |
| <b>1221</b>                      | <b>0.074</b>                    |
| <b>1232</b>                      | <b>0.074</b>                    |
| <b>1242</b>                      | <b>0.074</b>                    |
| <b>1248</b>                      | <b>0.074</b>                    |
| <b>1254</b>                      | <b>0.074</b>                    |
| <b>1260</b>                      | <b>0.074</b>                    |

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 of 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 immediately following -- sample analysis. In addition, chromatographic profiles were inspected for baseline anomalies/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.*

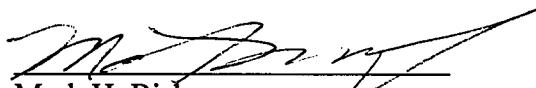
as well as

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

No. 177

CHAIN OF CUSTODY RECORD

mixed subs

NETL-19

E1005-02

| PROJ. NO.             |         | PROJECT NAME |                   | NO. OF CONTAINERS | TEL VOCs<br>TEL I/TAL List<br>Chlordane<br>4,4-DDT<br>CPAHs<br>PCBs<br>LEAD |   |   |   |   |   | REMARKS                          |
|-----------------------|---------|--------------|-------------------|-------------------|-----------------------------------------------------------------------------|---|---|---|---|---|----------------------------------|
| SAMPLERS:             |         |              |                   |                   |                                                                             |   |   |   |   |   |                                  |
| RECEIVING LABORATORY: |         |              |                   |                   |                                                                             |   |   |   |   |   |                                  |
| SAMPLE NO.            | DATE    | TIME         | SAMPLE LOCATION   |                   |                                                                             |   |   |   |   |   |                                  |
| TB-1                  | 10/4/94 | -            | Trip Blank 1      | 2                 | X                                                                           |   |   |   |   |   | amt. pt. pl. amt. pt. pl.        |
| FB-1                  | 10/4/94 | -            | Field Blank 1     | 6                 | X                                                                           |   |   |   |   |   | Pest/PCB, semi, met, T-CN, 2 VOC |
| 457A                  | 10/4/94 | 10/4/94      | Area 4, Sample 4A | 1                 |                                                                             | X | X | X | X | X |                                  |
| 457B                  | 10/4/94 | 10/4/94      | Area 4, Sample 4B | 1                 |                                                                             | X | X | X | X | X |                                  |
| 457C                  | 10/4/94 | 10/4/94      | Area 4, Sample 4C | 1                 | X                                                                           |   |   |   |   |   |                                  |
| 452A                  | 10/4/94 | 10/4/94      | Area 2, Sample 2A | 1                 | X                                                                           |   |   |   |   |   | +                                |
| 452B                  | 10/4/94 | 10/4/94      | Area 2, Sample 2B | 1                 |                                                                             | X | X | X | X | X | +                                |
| 452C                  | 10/4/94 | 10/4/94      | Area 2, Sample 2C | 1                 |                                                                             | X | X | X | X | X |                                  |
| 452D                  | 10/4/94 | 10/4/94      | Area 2, Sample 2D | 1                 | X                                                                           |   |   |   |   |   |                                  |
| 452E                  | 10/4/94 | 10/4/94      | Area 2, Sample 2E | 1                 |                                                                             | X | X | X | X | X |                                  |
| 451A                  | 10/4/94 | 10/4/94      | Area 1, Sample 1A | 1                 |                                                                             | X | X | X | X | X |                                  |
| 451B                  | 10/4/94 | 10/4/94      | Area 1, Sample 1B | 1                 |                                                                             | X | X | X | X | X |                                  |
| 451D                  | 10/4/94 | 10/4/94      | Area 1, Sample 1D | 1                 | X                                                                           |   |   |   |   |   | PUP OF 1C                        |
| 451C                  | 10/4/94 | 10/4/94      | Area 1, Sample 1C | 1                 | X                                                                           |   |   |   |   |   |                                  |

|                                             |                            |                                                  |                              |           |                          |
|---------------------------------------------|----------------------------|--------------------------------------------------|------------------------------|-----------|--------------------------|
| Relinquished by: (Signature)<br>K. Silveira | Date/Time<br>10/4/94 10:00 | Received by: (Signature)<br>DIA FEDEX 1591485221 | Relinquished by: (Signature) | Date/Time | Received by: (Signature) |
| 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



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

0000



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)

| CAS NO.    | COMPOUND                   | CONCENTRATION UNITS: |      | Q |
|------------|----------------------------|----------------------|------|---|
|            |                            | (ug/L or ug/Kg)      | ug/L |   |
| 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:

| CAS NO.    | COMPOUND                   | (ug/L or ug/Kg) | 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    | UI DB |
| 67-64-1    | Acetone                    |                 | 12    | UI 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   | UD    |
| 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    | UD    |
| 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    | UD    |
| 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    | UD    |
| 100-42-5   | Styrene                    |                 | 2.6   | UD    |
| 1330-20-7  | Xylene (total)             |                 | 711   | DE R  |

1A  
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

1-1DDL

|                      |                            |                      |                        |                  |
|----------------------|----------------------------|----------------------|------------------------|------------------|
| Lab Name:            | <u>New England Testing</u> | Contract:            | <u>G &amp; H RD/RA</u> |                  |
| Lab Code:            | <u>RI010</u>               | Case No.:            | <u>E1005-02</u>        | SDG No.:         |
|                      |                            | SAS No.:             | <u>NETL19-1</u>        |                  |
| Matrix: (soil/water) | <u>WATER</u>               | Lab Sample ID:       | <u>1-1DDL</u>          |                  |
| Sample wt/vol:       | <u>5.547</u> (g/mL)        | Lab File ID:         | <u>T1526</u>           |                  |
| Level: (low/med)     | <u>Med</u>                 | Date Received:       | <u>10/05/94</u>        |                  |
| % Moisture: not dec. | <u>31</u>                  | Date Analyzed:       | <u>10/15/94</u>        |                  |
| GC Column:           | <u>VOCOL</u>               | ID:                  | <u>0.75</u> (mm)       | Dilution Factor: |
|                      |                            |                      |                        | <u>1000X</u>     |
| Soil Extract Volume: | <u>5000</u> (uL)           | Soil Aliquot Volume: | <u>25</u>              | (uL)             |

CONCENTRATION UNITS:

| CAS NO.    | COMPOUND                   | (ug/L or ug/Kg) | 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  | UD |
| 67-64-1    | Acetone                    |                 | 1711  | UD |
| 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 | UD |
| 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  | UD |
| 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  | UD |
| 79-34-5    | 1,1,2,2-Tetrachloroethane  |                 | 1084  | UD |
| 108-88-3   | Toluene                    |                 | 1310  | UD |
| 108-90-7   | Chlorobenzene              |                 | 1310  | UD |
| 100-41-4   | Ethylbenzene               |                 | 4337  | UD |
| 100-42-5   | Styrene                    |                 | 1310  | UD |
| 1330-20-7  | Xylene (total)             |                 | 12750 | UD |

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)

| CAS NO.    | COMPOUND                   | CONCENTRATION UNITS: |         |
|------------|----------------------------|----------------------|---------|
|            |                            | (ug/L or ug/Kg)      | 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                 | UD D    |
| 67-64-1    | Acetone                    | 1824                 | UD D    |
| 75-15-0    | Carbon Disulfide           | 1050                 | UD      |
| 75-35-4    | 1,1-Dichloroethane         | 1050                 | UD      |
| 75-34-3    | 1,1-Dichloroethane         | 1050                 | UD      |
| 540-59-0   | 1,2-Dichloroethane (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:

| CAS NO.    | COMPOUND                   | (ug/L or ug/Kg) | 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   | U |
| 67-64-1    | Acetone                    |                 | 6.1   | U |
| 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   | 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                    |                 | 1.8   | 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:

| CAS NO.    | COMPOUND                   | (ug/L or ug/Kg) | 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:

| CAS NO.    | COMPOUND                   | (ug/L or ug/Kg) | 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: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |
| 99-09-2  | 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          | 271U <sub>5</sub> |
| 100-02-7  | 4-Nitrophenol              | 271U <sub>5</sub> |
| 132-64-9  | Dibenzofuran               | 111U              |
| 11-14-2   | 2,4-Dinitrotoluene         | 111U              |
| 66-2      | Diethylphthalate           | 111U              |
| 7005-72-3 | 4-chlorophenyl-phenylether | 111U              |
| 86-73-7   | Fluorene                   | 111U              |
| 100-01-6  | 4-Nitroaniline             | 271U <sub>5</sub> |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 271U              |
| 86-30-6   | N-Nitrosodiphenylamine (1) | 111U              |
| 101-55-3  | 4-Bromophenyl-phenylether  | 111U              |
| 118-74-1  | Hexachlorobenzene          | 111U              |
| 87-86-5   | Pentachlorophenol          | 271U <sub>5</sub> |
| 85-01-8   | Phenanthrene               | 111U              |
| 120-12-7  | Anthracene                 | 111U              |
| 86-74-8   | Carbazole                  | 111U <sub>5</sub> |
| 84-74-2   | Di-n-butylphthalate        | 111U              |
| 206-44-0  | Fluoranthene               | 111U              |
| 129-00-0  | Pyrene                     | 111U              |
| 85-68-7   | Butylbenzylphthalate       | 111U              |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 111U              |
| 56-55-3   | Benzo(a)anthracene         | 111U              |
| 218-01-9  | Chrysene                   | 111U              |
| 117-81-7  | bis(2-Ethylhexyl)phthalate | 111U              |
| 117-84-0  | Di-n-octylphthalate        | 111U <sub>5</sub> |
| 205-99-2  | Benzo(b)fluoranthene       | 111U              |
| 207-08-9  | Benzo(k)fluoranthene       | 111U              |
| 50-32-8   | Benzo(a)pyrene             | 111U              |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 111U              |
| 53-70-3   | Dibenz(a,h)anthracene      | 111U              |
| 191-24-2  | Benzo(g,h,i)perylene       | 111U              |

(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

| 1.  | CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|-----|------------|---------------|----|------------|---|
| 2.  |            |               |    |            |   |
| 3.  |            |               |    |            |   |
| 4.  |            |               |    |            |   |
| 5.  |            |               |    |            |   |
| 6.  |            |               |    |            |   |
| 7.  |            |               |    |            |   |
| 8.  |            |               |    |            |   |
| 9.  |            |               |    |            |   |
| 10. |            |               |    |            |   |
| 11. |            |               |    |            |   |
| 12. |            |               |    |            |   |
| 13. |            |               |    |            |   |
| 14. |            |               |    |            |   |
| 15. |            |               |    |            |   |
| 16. |            |               |    |            |   |
| 17. |            |               |    |            |   |
| 18. |            |               |    |            |   |
| 19. |            |               |    |            |   |
| 20. |            |               |    |            |   |
| 21. |            |               |    |            |   |
| 22. |            |               |    |            |   |
| 23. |            |               |    |            |   |
| 24. |            |               |    |            |   |
| 25. |            |               |    |            |   |
| 26. |            |               |    |            |   |
| 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/Kg Q

(ug/L or ug/Kg)

|           |                        |  |                            |
|-----------|------------------------|--|----------------------------|
| 56-55-3   | Benzo(a)anthracene     |  | 38 <sup>1</sup> U          |
| 1218-01-9 | Chrysene               |  | 38 <sup>1</sup> U          |
| 1905-99-2 | Benzo(b)fluoranthene   |  | 38 <sup>1</sup> U          |
| 1707-08-9 | Benzo(k)fluoranthene   |  | 38 <sup>1</sup> U          |
| 150-32-8  | Benzo(a)pyrene         |  | 38 <sup>1</sup> U          |
| 193-39-5  | Indeno(1,2,3-cd)pyrene |  | 38 <sup>1</sup> U $\Delta$ |
| 153-70-3  | Dibenz(a,h)anthracene  |  | 38 <sup>1</sup> U $\Delta$ |

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

| CAS NO.  | COMPOUND               | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | 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 |
| 53-70-3  | Dibenz(a,h)anthracene  |                                         | 56    | U |

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:

CAS NO. COMPOUND (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 |
| 41-73-1  | 1,3-Dichlorobenzene          | 272 | U |
| 106-46-7 | 1,4-Dichlorobenzene          | 272 | U |
| 95-50-1  | 1,2-Dichlorobenzene          | 526 | i |
| 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 |
| 187-68-3 | 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 |
| 106-20-2 | 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |   |
| 111-14-2  | 2,4-Dinitrotoluene         | 272 | U |   |
| 117-66-2  | 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 |   |
| 150-32-8  | Benzo(a)pyrene             | 41  | U |   |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 41  | U | J |
| 153-70-3  | 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  | 36661      | JR |
| 2.          | UNKNOWN HYDROCARBON           | 7.05  | 1743       | J  |
| 3.          | AROMATIC HYDROCARBON          | 8.58  | 1715       | IJ |
| 4.          | ALKYL SUBSTITUTED HYDROCARBON | 9.62  | 539        | J  |
| 5. 556-67-2 | OCTAMETHYL-CYCLOTETRASILOXANE | 10.29 | 506        | IJ |
| 6.          | ALKYL SUBSTITUTED HYDROCARBON | 11.04 | 2472       | J  |
| 7.          | ALKYL SUBSTITUTED HYDROCARBON | 11.52 | 942        | IJ |
| 8.          | ALKYL SUBSTITUTED HYDROCARBON | 11.97 | 515        | J  |
| 9.          | ALKYL SUBSTITUTED AROMATIC    | 12.33 | 541        | IJ |
| 10.         | ALKYL SUBSTITUTED AROMATIC    | 12.43 | 694        | J  |
| 11. 541-2-6 | DECAMETHYL-CYCLOPENTASILOXANE | 13.48 | 1058       | IJ |
| 12.         | ALKYL SUBSTITUTED HYDROCARBON | 19.63 | 528        | J  |
| 13.         | ALKYL SUBSTITUTED HYDROCARBON | 20.99 | 1167       | JR |
| 14.         | ALKYL SUBSTITUTED HYDROCARBON | 21.58 | 877        | J  |
| 15.         | UNKNOWN HYDROCARBON           | 22.27 | 2169       | IJ |
| 16.         | UNKNOWN HYDROCARBON           | 23.47 | 2108       | J  |
| 17.         | UNKNOWN HYDROCARBON           | 23.55 | 1110       | IJ |
| 18.         | UNKNOWN HYDROCARBON           | 24.61 | 1311       | J  |
| 19.         | ALKYL SUBSTITUTED ALCOHOL     | 31.68 | 925        | JR |
| 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |
| 1541-73-1 | 1,3-Dichlorobenzene          | 286 | U |
| 5-46-7    | 1,4-Dichlorobenzene          | 286 | U |
| 105-50-1  | 1,2-Dichlorobenzene          | 627 | I |
| 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 |
| 99-09-2   | 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

CONCENTRATION UNITS:

| CAS NO.  | COMPOUND                   | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | ug/Kg | Q |
|----------|----------------------------|-----------------------------------------|-------|---|
| 51-28-5  | 2,4-Dinitrophenol          |                                         | 715IU | ✓ |
| 100-02-7 | 4-Nitrophenol              |                                         | 715IU |   |
| 132-64-9 | Dibenzofuran               |                                         | 286IU |   |
| 121-14-2 | 2,4-Dinitrotoluene         |                                         | 286IU |   |
| 66-2     | Diethylphthalate           |                                         | 286IU |   |
| 105-72-3 | 4-chlorophenyl-phenylether |                                         | 286IU |   |
| 86-73-7  | Fluorene                   |                                         | 286IU |   |
| 100-01-6 | 4-Nitroaniline             |                                         | 715IU | ✓ |
| 534-52-1 | 4,6-Dinitro-2-methylphenol |                                         | 715IU | ✓ |
| 86-30-6  | N-Nitrosodiphenylamine (1) |                                         | 286IU |   |
| 101-55-3 | 4-Bromophenyl-phenylether  |                                         | 286IU |   |
| 118-74-1 | Hexachlorobenzene          |                                         | 286IU |   |
| 87-86-5  | Pentachlorophenol          |                                         | 715IU | ✓ |
| 85-01-8  | Phenanthrene               |                                         | 286IU |   |
| 120-12-7 | Anthracene                 |                                         | 286IU |   |
| 86-74-8  | Carbazole                  |                                         | 286IU | ✓ |
| 84-74-2  | Di-n-butylphthalate        |                                         | 286IU | ✓ |
| 206-44-0 | Fluoranthene               |                                         | 286IU |   |
| 129-00-0 | Pyrene                     |                                         | 286IU |   |
| 85-68-7  | Butylbenzylphthalate       |                                         | 286IU |   |
| 91-94-1  | 3,3'-Dichlorobenzidine     |                                         | 286IU |   |
| 56-55-3  | Benzo(a)anthracene         |                                         | 43IU  |   |
| 218-01-9 | Chrysene                   |                                         | 43IU  |   |
| 117-81-7 | bis(2-Ethylhexyl)phthalate |                                         | 286IU |   |
| 117-84-0 | Di-n-octylphthalate        |                                         | 286IU | ✓ |
| 205-99-2 | Benzo(b)fluoranthene       |                                         | 43IU  |   |
| 207-08-9 | Benzo(k)fluoranthene       |                                         | 43IU  |   |
| 50-32-8  | Benzo(a)pyrene             |                                         | 43IU  |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene     |                                         | 43IU  | ✓ |
| 53-70-3  | Dibenz(a,h)anthracene      |                                         | 43IU  | ✓ |
| 191-24-2 | Benzo(g,h,i)perylene       |                                         | 286IU | ✓ |

(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       | IJ  |
| 4.          | UNKNOWN HYDROCARBON           | 9.63  | 571        | J   |
| 5. 556-67-2 | OCTAMETHYL-CYCLOTETRASILOXANE | 10.28 | 551        | IJ  |
| 6.          | ALKYL SUBSTITUTED HYDROCARBON | 11.05 | 2441       | J   |
| 7.          | ALKYL SUBSTITUTED HYDROCARBON | 11.53 | 950        | IJ  |
| 8.          | ALKYL SUBSTITUTED AROMATIC    | 12.33 | 570        | J   |
| 9.          | ALKYL SUBSTITUTED AROMATIC    | 12.44 | 737        | IJ  |
| 10. 541-2-6 | DECAMETHYL-CYCLOPENTASILOXANE | 13.48 | 1034       | J   |
| 11.         | ALKYL SUBSTITUTED HYDROCARBON | 19.64 | 676        | IJ  |
| 12.         | ALKYL SUBSTITUTED HYDROCARBON | 20.99 | 1507       | J R |
| 13.         | ALKYL SUBSTITUTED HYDROCARBON | 21.58 | 1111       | IJ  |
| 14.         | ALKYL SUBSTITUTED HYDROCARBON | 22.28 | 1914       | J   |
| 15.         | UNKNOWN HYDROCARBON           | 23.48 | 2023       | IJ  |
| 16.         | UNKNOWN HYDROCARBON           | 23.55 | 1175       | J   |
| 17.         | ALKYL SUBSTITUTED ALCOHOL     | 24.47 | 604        | IJ  |
| 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |
| 1541-73-1 | 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 |
| 187-68-3  | 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 |
| 9-09-2    | 3-Nitroaniline               | 677 | U |
| 63-32-9   | 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|          |                            |     |                |
|----------|----------------------------|-----|----------------|
| 51-28-5  | 2,4-Dinitrophenol          | 677 | U <sub>5</sub> |
| 100-02-7 | 4-Nitrophenol              | 677 | U <sub>5</sub> |
| 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 <sub>5</sub> |
| 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 <sub>5</sub> |
| 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 | 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 <sub>5</sub> |
| 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/Kg  
(ug/L or ug/Kg)

| CAS NUMBER   | COMPOUND NAME                 | RT    | EST. CONC. | Q              |
|--------------|-------------------------------|-------|------------|----------------|
| 1.           | ALKYL SUBSTITUTED HYDROCARBON | 5.69  |            | 3173 <i>JR</i> |
| 2. 127-18-4  | TETRACHLOROETHENE             | 6.05  |            | 2957 <i>J</i>  |
| 3.           | UNKNOWN ALKYL ALCOHOL         | 6.97  |            | 1472 <i>J</i>  |
| 4.           | AROMATIC HYDROCARBON          | 8.54  |            | 347 <i>J</i>   |
| 5.           | OCTAMETHYL CYCLOTETRAILOXANE  | 10.27 |            | 464 <i>J</i>   |
| 6.           | ALKYL SUBSTITUTED HYDROCARBON | 11.49 |            | 261 <i>J</i>   |
| 7.           | ALKYL SUBSTITUTED AROMATIC    | 11.74 |            | 248 <i>J</i>   |
| 8.           | UNKNOWN HYDROCARBON           | 13.45 |            | 728 <i>J</i>   |
| 9.           | UNKNOWN HYDROCARBON           | 16.34 |            | 137 <i>J</i>   |
| 10.          | UNKNOWN HYDROCARBON           | 19.60 |            | 192 <i>J</i>   |
| 11.          | UNKNOWN HYDROCARBON           | 20.94 |            | 433 <i>JR</i>  |
| 12.          | ALKYL SUBSTITUTED HYDROCARBON | 21.54 |            | 393 <i>J</i>   |
| 13.          | ALKYL SUBSTITUTED HYDROCARBON | 22.22 |            | 934 <i>J</i>   |
| 14.          | ALKYL SUBSTITUTED HYDROCARBON | 22.25 |            | 1382 <i>J</i>  |
| 15.          | ALKYL SUBSTITUTED HYDROCARBON | 23.41 |            | 1469 <i>J</i>  |
| 16.          | ALKYL SUBSTITUTED HYDROCARBON | 23.50 |            | 1050 <i>J</i>  |
| 17.          | ALKYL SUBSTITUTED HYDROCARBON | 24.43 |            | 491 <i>J</i>   |
| 18. 630-02-4 | OCTACOSANE                    | 24.56 |            | 1290 <i>J</i>  |
| 19. 57-10-3  | HEXADECANOIC ACID             | 25.19 |            | 1533 <i>JR</i> |
| 20.          | UNKNOWN HYDROCARBON           | 25.64 |            | 374 <i>J</i>   |
| 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:<br>(ug/L or ug/Kg) | ug/Kg | Q |
|----------------|------------------------|-----------------------------------------|-------|---|
| 56-55-3-----   | Benzo(a)anthracene     |                                         | 39    | U |
| 1218-01-9----- | Chrysene               |                                         | 39    | U |
| 205-99-2-----  | Benzo(b)fluoranthene   |                                         | 39    | U |
| 207-08-9-----  | Benzo(k)fluoranthene   |                                         | 39    | U |
| 193-32-8-----  | Benzo(a)pyrene         |                                         | 39    | U |
| 193-39-5-----  | Indeno(1,2,3-cd)pyrene |                                         | 39    | U |
| 153-70-3-----  | 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/Kg Q

(ug/L or ug/Kg)

| CAS NO.  | COMPOUND               | CONCENTRATION UNITS: | Q |
|----------|------------------------|----------------------|---|
| 56-55-3  | Benzo(a)anthracene     | 36 <sub>1</sub> U    |   |
| 218-01-9 | Chrysene               | 36 <sub>1</sub> U    |   |
| 205-99-2 | Benzo(b)fluoranthene   | 36 <sub>1</sub> U    |   |
| 207-08-9 | Benzo(k)fluoranthene   | 36 <sub>1</sub> U    |   |
| 128-32-8 | Benzo(a)pyrene         | 36 <sub>1</sub> U    |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 36 <sub>1</sub> U    |   |
| 153-70-3 | Dibenz(a,h)anthracene  | 36 <sub>1</sub> 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |
| 1541-73-1 | 1,3-Dichlorobenzene          | 258 | U |
| 6-46-7    | 1,4-Dichlorobenzene          | 258 | U |
| 135-50-1  | 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 |
| 187-68-3  | 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 |
| 99-09-2   | 3-Nitroaniline               | 645 | U |
| 133-32-9  | 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:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|           |                            |     |   |   |
|-----------|----------------------------|-----|---|---|
| 151-28-5  | 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 |   |
| 66-2      | Diethylphthalate           | 258 | U |   |
| 1005-72-3 | 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  |            | 411J R |
| 2.         | AROMATIC HYDROCARBON                     | 4.87  |            | 53J    |
| 3.         | ALKYL SUBSTITUTED HYDROCARBON            | 5.69  |            | 6814J  |
| 4.         | ALKYL SUBSTITUTED HYDROCARBON            | 6.70  |            | 84J R  |
| 5.         | UNKNOWN HYDROCARBON                      | 7.01  |            | 3597J  |
| 6.         | UNKNOWN HYDROCARBON                      | 8.88  |            | 86J R  |
| 7.         | UNKNOWN HYDROCARBON                      | 9.23  |            | 63J R  |
| 8.         | UNKNOWN HYDROCARBON                      | 9.40  |            | 58J R  |
| 9.         | UNKNOWN HYDROCARBON                      | 9.68  |            | 64J    |
| 10.        | UNKNOWN ALKYL ESTER                      | 20.92 |            | 88J K  |
| 11.        | 57-10-3 HEXADECANOIC ACID                | 25.18 |            | 284J K |
| 12.        | ALKYL SUBSTITUTED HYDROCARBON            | 26.59 |            | 56J    |
| 13.        | UNKNOWN HYDROCARBON                      | 28.78 |            | 41J    |
| 14.        | 123-79-5 HEXANEDIOIC ACID, DIOCTYL ESTER | 30.01 |            | 3297J  |
| 15.        |                                          |       |            |        |
| 16.        |                                          |       |            |        |
| 17.        |                                          |       |            |        |
| 18.        |                                          |       |            |        |
| 19.        |                                          |       |            |        |
| 20.        |                                          |       |            |        |
| 21.        |                                          |       |            |        |
| 22.        |                                          |       |            |        |
| 23.        |                                          |       |            |        |
| 24.        |                                          |       |            |        |
| 25.        |                                          |       |            |        |
| 26.        |                                          |       |            |        |
| 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

| CAS NO.  | COMPOUND               | CONCENTRATION UNITS: | (ug/L or 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 |
| 128-32-8 | Benzo(a)pyrene         |                      | 33              | J |
| 193-39-5 | Indeno(1,2,3-cd)pyrene |                      | 38              | U |
| 153-70-3 | Dibenz(a,h)anthracene  |                      | 38              | U |

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 <sup>1</sup> U |   |
| 218-01-9 | Chrysene               | 36 <sup>1</sup> U |   |
| 205-99-2 | Benzo(b)fluoranthene   | 36 <sup>1</sup> U |   |
| 207-08-9 | Benzo(k)fluoranthene   | 36 <sup>1</sup> U |   |
| 203-32-8 | Benzo(a)pyrene         | 36 <sup>1</sup> U |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 36 <sup>1</sup> U | Σ |
| 153-70-3 | Dibenz(a,h)anthracene  | 36 <sup>1</sup> U | Σ |

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 <sup>U</sup>   |
| 218-01-9 | Chrysene               |                      | 38 <sup>U</sup>   |
| 205-99-2 | Benzo(b)fluoranthene   |                      | 38 <sup>U</sup>   |
| 7-08-9   | Benzo(k)fluoranthene   |                      | 38 <sup>U</sup>   |
| 32-8     | Benzo(a)pyrene         |                      | 38 <sup>U</sup>   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene |                      | 38 <sup>U</sup> < |
| 53-70-3  | Dibenz(a,h)anthracene  |                      | 38 <sup>U</sup> < |

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |
| 1541-73-1 | 1,3-Dichlorobenzene          | 245 | U |
| 6-46-7    | 1,4-Dichlorobenzene          | 245 | U |
| 105-50-1  | 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 |
| 187-68-3  | 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 |
| 13-32-9   | 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

CONCENTRATION UNITS:

(ug/L or ug/Kg)

ug/Kg

Q

| CAS NO.   | COMPOUND                   | CONCENTRATION UNITS: | ug/Kg | Q      |
|-----------|----------------------------|----------------------|-------|--------|
| 51-28-5   | 2,4-Dinitrophenol          |                      | 612U  | 3      |
| 100-02-7  | 4-Nitrophenol              |                      | 612U  | 3      |
| 132-64-9  | Dibenzofuran               |                      | 245U  |        |
| 121-14-2  | 2,4-Dinitrotoluene         |                      | 245U  |        |
| 66-2      | Diethylphthalate           |                      | 245U  |        |
| 1005-72-3 | 4-chlorophenyl-phenylether |                      | 245U  |        |
| 86-73-7   | Fluorene                   |                      | 245U  |        |
| 100-01-6  | 4-Nitroaniline             |                      | 612U  | 3      |
| 534-52-1  | 4,6-Dinitro-2-methylphenol |                      | 612U  |        |
| 86-30-6   | N-Nitrosodiphenylamine (1) |                      | 245U  |        |
| 101-55-3  | 4-Bromophenyl-phenylether  |                      | 245U  |        |
| 118-74-1  | Hexachlorobenzene          |                      | 245U  |        |
| 87-86-5   | Pentachlorophenol          |                      | 612U  | 3      |
| 85-01-8   | Phenanthrene               |                      | 245U  |        |
| 120-12-7  | Anthracene                 |                      | 245U  |        |
| 86-74-8   | Carbazole                  |                      | 245U  | 3      |
| 84-74-2   | Di-n-butylphthalate        |                      | 245   | 215BJU |
| 206-44-0  | Fluoranthene               |                      | 245U  |        |
| 129-00-0  | Pyrene                     |                      | 245U  |        |
| 85-68-7   | Butylbenzylphthalate       |                      | 245U  |        |
| 91-94-1   | 3,3'-Dichlorobenzidine     |                      | 245U  |        |
| 56-55-3   | Benzo(a)anthracene         |                      | 37U   |        |
| 218-01-9  | Chrysene                   |                      | 37U   |        |
| 117-81-7  | bis(2-Ethylhexyl)phthalate |                      | 245U  |        |
| 117-84-0  | Di-n-octylphthalate        |                      | 245U  | 3      |
| 205-99-2  | Benzo(b)fluoranthene       |                      | 37U   |        |
| 207-08-9  | Benzo(k)fluoranthene       |                      | 37U   |        |
| 50-32-8   | Benzo(a)pyrene             |                      | 37U   |        |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     |                      | 37U   |        |
| 53-70-3   | Dibenz(a,h)anthracene      |                      | 37U   |        |
| 191-24-2  | Benzo(g,h,i)perylene       |                      | 245U  |        |

(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/Kg

| CAS NUMBER | COMPOUND NAME                 | RT    | EST. CONC. | Q  |
|------------|-------------------------------|-------|------------|----|
| 1.         | UNKNOWN HYDROCARBON           | 4.31  | 395        | JR |
| 2.         | UNKNOWN ALKYL ALCOHOL         | 4.45  | 215        | J  |
| 3.         | ALKYL SUBSTITUTED HYDROCARBON | 5.73  | 7112       | JR |
| 4.         | ALKYL SUBSTITUTED HYDROCARBON | 6.71  | 110        | JR |
| 5.         | UNKNOWN ALKYL ALCOHOL         | 7.03  | 3983       | J  |
| 6.         | UNKNOWN ALKYL ALCOHOL         | 8.88  | 127        | JR |
| 7.         | UNKNOWN ALKYL ALCOHOL         | 9.40  | 1011       | JR |
| 8.         | UNKNOWN ALKYL ALCOHOL         | 12.22 | 157        | J  |
| 9.         | UNKNOWN HYDROCARBON           | 18.84 | 77         | J  |
| 10.        | UNKNOWN ALKYL ESTER           | 20.91 | 103        | JR |
| 11.        | UNKNOWN HYDROCARBON           | 21.02 | 74         | J  |
| 12.        | UNKNOWN HYDROCARBON           | 22.89 | 98         | J  |
| 13.        | UNKNOWN CARBOXYLIC ACID       | 24.48 | 52         | J  |
| 14.        | 57-10-3 HEXADECANOIC ACID     | 25.19 | 398        | JR |
| 15.        | UNKNOWN HYDROCARBON           | 28.81 | 109        | J  |
| 16.        | UNKNOWN ALKYL ALCOHOL         | 31.60 | 247        | JR |
| 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: R1010 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 <sup>U</sup>   |
| 218-01-9 | Chrysene               |  | 37 <sup>U</sup>   |
| 205-99-2 | Benzo(b)fluoranthene   |  | 37 <sup>U</sup>   |
| 7-08-9   | Benzo(k)fluoranthene   |  | 37 <sup>U</sup>   |
| 32-8     | Benzo(a)pyrene         |  | 37 <sup>U</sup>   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene |  | 37 <sup>U</sup> ✓ |
| 53-70-3  | Dibenz(a,h)anthracene  |  | 37 <sup>U</sup> ✓ |

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 |
| 1218-01-9 | Chrysene               | 38 | U |
| 205-99-2  | Benzo(b)fluoranthene   | 38 | U |
| 7-08-9    | Benzo(k)fluoranthene   | 38 | U |
| 2-32-8    | 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 |
| 209-32-8 | 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.

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 <sup>U</sup>   |
| 218-01-9----- | Chrysene               |  | 39 <sup>U</sup>   |
| 205-99-2----- | Benzo(b)fluoranthene   |  | 39 <sup>U</sup>   |
| 7-08-9-----   | Benzo(k)fluoranthene   |  | 39 <sup>U</sup>   |
| 32-8-----     | Benzo(a)pyrene         |  | 39 <sup>U</sup>   |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene |  | 39 <sup>U</sup> 1 |
| 53-70-3-----  | Dibenz(a,h)anthracene  |  | 39 <sup>U</sup> 1 |

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 <sup>U</sup> |
| 218-01-9----- | Chrysene               | 37 <sup>U</sup> |
| 205-99-2----- | Benzo(b)fluoranthene   | 37 <sup>U</sup> |
| 17-08-9-----  | Benzo(k)fluoranthene   | 37 <sup>U</sup> |
| 32-8-----     | Benzo(a)pyrene         | 37 <sup>U</sup> |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 37 <sup>U</sup> |
| 53-70-3-----  | Dibenz(a,h)anthracene  | 37 <sup>U</sup> |

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

Injection Volume: 2 (uL)

Dilution Factor: 1.0 GC1

GPC Cleanup: (Y/N) y

pH: 5.7

Sulfur Cleanup: (Y/N) N GC2

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 |

FORM I PEST

3/90

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

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1

GPC Cleanup: (Y/N) y pH: 5.5 Sulfur Cleanup: (Y/N) N GC2

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 | U |
| 11096-82-5 | Aroclor-1260    | 53.8  | U |

FORM I PEST

3/90

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

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1

GPC Cleanup: (Y/N) y pH: 5.7 Sulfur Cleanup: (Y/N) N GC2

CAS NO. COMPOUND CONCENTRATION UNITS: 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     | 1.761 | 1.31JP |
| 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        | 1.761 | 52.41P |
| 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.: NETL18-1

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

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC2

GPC Cleanup: (Y/N) y pH: 5.4 Sulfur Cleanup: (Y/N) N 1.0 GC2

CONCENTRATION UNITS:

CAS NO. COMPOUND (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  | U |
| 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.: NETL18-1

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |
| 160-57-1   | 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.: NETL18-1

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

Injection Volume:

2 (uL)

Dilution Factor:

10/7/94

GC2

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 |

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

Injection Volume: 2 (uL)

10/6/94 GC2

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

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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

Injection Volume: 2 (uL)

Dilution Factor: 1.0 GC1

GPC Cleanup: (Y/N) y

pH: 5.2

Sulfur Cleanup: (Y/N) N GC2

| CAS NO. | COMPOUND | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | <u>UG/KG</u> | <u>Q</u> |
|---------|----------|-----------------------------------------|--------------|----------|
|---------|----------|-----------------------------------------|--------------|----------|

|                  |                 |  |      |   |
|------------------|-----------------|--|------|---|
| 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

Injection Volume:

2 (uL)

Dilution Factor:

1.0

GC1

GPC Cleanup: (Y/N)

y

pH: 6.3

Sulfur Cleanup: (Y/N)

N

GC2

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(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            | 3.4   | 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.

Lab Name: New England Testing Laboratory, Inc

Contract: Wells G&H, RD/RA

2E

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

Injection Volume: 2 (uL)

Dilution Factor: 1.0 GC1

GPC Cleanup: (Y/N) y

pH: 5.7

Sulfur Cleanup: (Y/N) N GC2

CAS NO.                      COMPOUND                      CONCENTRATION UNITS:                      UG/KG                      Q  
(ug/L or ug/Kg)

|            |                 |       |    |
|------------|-----------------|-------|----|
| 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

Injection Volume: 2 (uL)

10/7/94 GC2

GPC Cleanup: (Y/N) y

pH: 5.7

Dilution Factor: 25.0 GC1

10.0 GC2

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 |

FORM I PEST

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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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |

FORM I PEST

3/90

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

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

CAS NO. COMPOUND 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 |

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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

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC2

GPC Cleanup: (Y/N) y pH: 5.3 Sulfur Cleanup: (Y/N) N

Concentration Units: UG/KG Q

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  |
| 111104-28-2 | Aroclor-1221    | 74.2 | U  |
| 111141-16-5 | 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  |

FORM I PEST

3/90

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

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC1

GPC Cleanup: (Y/N) y pH: 6.6 Sulfur Cleanup: (Y/N) N GC2

CAS NO. COMPOUND CONCENTRATION UNITS: UG/KG Q

| CAS NO.    | COMPOUND        | CONCENTRATION UNITS: | 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  |

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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

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC2

GPC Cleanup: (Y/N) y pH: 5.4 Sulfur Cleanup: (Y/N) N GC2

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    | 36.4 | 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 |

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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.: NETL18-1

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

Injection Volume: 2 (uL) Dilution Factor: 1.0 GC2

GPC Cleanup: (Y/N) y pH: 6.9 Sulfur Cleanup: (Y/N) N GC1

CAS NO. COMPOUND CONCENTRATION UNITS: 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   | U |
| 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.

Lab Name: New England Testing Laboratory, Inc

Contract: Wells G&H, RD/RA

5A

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

Injection Volume: 2 (uL)

10/21/94 GC2

Dilution Factor: 1.0 GC1

GPC Cleanup: (Y/N) y

pH: 5.5

1.0 GC2

Sulfur Cleanup: (Y/N) N

| CAS NO. | COMPOUND | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | <u>UG/KG</u> | Q |
|---------|----------|-----------------------------------------|--------------|---|
|---------|----------|-----------------------------------------|--------------|---|

|            |                 |  |     |      |   |
|------------|-----------------|--|-----|------|---|
| 50-29-3    | 4,4'-DDT        |  | 170 | 7.2  | P |
| 5103-71-9  | alpha-Chlordane |  | 121 | 21.1 | P |
| 5103-74-2  | gamma-Chlordane |  | 110 | 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 |

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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

Injection Volume: 2 (uL)

10/21/94 GC2

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 U   |
| 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  |

FORM I PEST

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0069

1D  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: New England Testing Laboratory, Inc

Contract: Wells G&H, RD/RA

5BDL

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

Injection Volume: 2 (uL)

Dilution Factor: 10.0 GC2

GPC Cleanup: (Y/N) y

pH: 5.2

Sulfur Cleanup: (Y/N) N GC1  
10.0 GC2

|         |          |                                         |       |   |
|---------|----------|-----------------------------------------|-------|---|
| CAS NO. | COMPOUND | CONCENTRATION UNITS:<br>(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 |

FORM I PEST

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0070

SURROGATES  
VOLATILES

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<br>SAMPLE NO. | SMC1<br>(TOL) # | SMC2<br>(BFB) # | SMC3<br>(DCE) # | OTHER | TOT<br>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 |                   |                 |                 |                 |       |            |
| 14 |                   |                 |                 |                 |       |            |
| 15 |                   |                 |                 |                 |       |            |
| 16 |                   |                 |                 |                 |       |            |
| 17 |                   |                 |                 |                 |       |            |
| 18 |                   |                 |                 |                 |       |            |
| 19 |                   |                 |                 |                 |       |            |
| 20 |                   |                 |                 |                 |       |            |
| 21 |                   |                 |                 |                 |       |            |
| 22 |                   |                 |                 |                 |       |            |
| 23 |                   |                 |                 |                 |       |            |
| 24 |                   |                 |                 |                 |       |            |
| 25 |                   |                 |                 |                 |       |            |
| 26 |                   |                 |                 |                 |       |            |
| 27 |                   |                 |                 |                 |       |            |
| 28 |                   |                 |                 |                 |       |            |
| 29 |                   |                 |                 |                 |       |            |
| 30 |                   |                 |                 |                 |       |            |

SMC1 (TOL) = Toluene-d8  
 SMC2 (BFB) = Bromofluorobenzene  
 SMC3 (DCE) = 1,2-Dichloroethane-d4

QC LIMITS  
 (88-110)  
 (86-115)  
 (76-114)

- # Column to be used to flag recovery values
- \* Values outside of contract required QC limits
- D System Monitoring Compound diluted out

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        | SMC1    | SMC2    | SMC3    | OTHER | TOT |
|----|------------|---------|---------|---------|-------|-----|
|    | SAMPLE NO. | (TOL) # | (BFB) # | (DCE) # |       | OUT |
| 01 | VBLK02     | 98      | 81      | 99      |       | 0   |
| 02 | 12-2D      | 118     | 97      | 118     |       | 0   |
| 03 | 4-4C       | 112     | 90      | 95      |       | 0   |
| 04 | 12-2D MS   | 104     | 87      | 101     |       | 0   |
| 05 | 2-2D MSD   | 108     | 89      | 100     |       | 0   |
| 06 | 11-1CDL    | 104     | 97      | 97      |       | 0   |
| 07 |            |         |         |         |       |     |
| 08 |            |         |         |         |       |     |
| 09 |            |         |         |         |       |     |
| 10 |            |         |         |         |       |     |
| 11 |            |         |         |         |       |     |
| 12 |            |         |         |         |       |     |
| 13 |            |         |         |         |       |     |
| 14 |            |         |         |         |       |     |
| 15 |            |         |         |         |       |     |
| 16 |            |         |         |         |       |     |
| 17 |            |         |         |         |       |     |
| 18 |            |         |         |         |       |     |
| 19 |            |         |         |         |       |     |
| 20 |            |         |         |         |       |     |
| 21 |            |         |         |         |       |     |
| 22 |            |         |         |         |       |     |
| 23 |            |         |         |         |       |     |
| 24 |            |         |         |         |       |     |
| 25 |            |         |         |         |       |     |
| 26 |            |         |         |         |       |     |
| 27 |            |         |         |         |       |     |
| 28 |            |         |         |         |       |     |
| 29 |            |         |         |         |       |     |
| 30 |            |         |         |         |       |     |

SMC1 (TOL) = Toluene-d8  
 SMC2 (BFB) = Bromofluorobenzene  
 SMC3 (DCE) = 1,2-Dichloroethane-d4

QC LIMITS  
 (84-138)  
 (59-113)  
 (70-121)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D System Monitoring Compound diluted out

SEMIVOLATILES

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<br>SAMPLE<br>NO. | S1<br>(NBZ)<br># | S2<br>(FBP)<br># | S3<br>(TPH)<br># | S4<br>(PHL)<br># | S5<br>(2FP)<br># | S6<br>(TBP)<br># | S7<br>(2CP)<br># | S8<br>(DCB)<br># | TOT<br>OUT |
|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------|
| 01 FIELD BLANK       | 73               | 64               | 93               | 25               | 38               | 83               | 57               | 63               | 01         |
| 02 SBLKW1            | 95               | 78               | 112              | 37               | 54               | 107              | 74               | 79               | 01         |
| 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<br>SAMPLE<br>NO. | S1<br>(NBZ)<br># | S2<br>(FBP)<br># | S3<br>(TPH)<br># | S4<br>(PHL)<br># | S5<br>(2FP)<br># | S6<br>(TBP)<br># | S7<br>(2CP)<br># | S8<br>(DCB)<br># | TOT<br>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 SBLKWI            | 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<br>SAMPLE<br>NO. | TCX 1  |    | TCX 2 |   | DCB 1 |   | DCB 2 |   | OTHER<br>(1) | OTHER<br>(2) | TOT<br>OUT |
|----------------------|--------|----|-------|---|-------|---|-------|---|--------------|--------------|------------|
|                      | %REC   | #  | %REC  | # | %REC  | # | %REC  | # |              |              |            |
| 01                   | FB     | 99 | 25 *  |   | 7 *   |   | 28 *  |   |              |              | 3          |
| 02                   | PBLK02 | 99 | 71    |   | 42 *  |   | 92    |   |              |              | 1          |
| 03                   |        |    |       |   |       |   |       |   |              |              |            |
| 04                   |        |    |       |   |       |   |       |   |              |              |            |
| 05                   |        |    |       |   |       |   |       |   |              |              |            |
| 06                   |        |    |       |   |       |   |       |   |              |              |            |
| 07                   |        |    |       |   |       |   |       |   |              |              |            |
| 08                   |        |    |       |   |       |   |       |   |              |              |            |
| 09                   |        |    |       |   |       |   |       |   |              |              |            |
| 10                   |        |    |       |   |       |   |       |   |              |              |            |
| 11                   |        |    |       |   |       |   |       |   |              |              |            |
| 12                   |        |    |       |   |       |   |       |   |              |              |            |
| 13                   |        |    |       |   |       |   |       |   |              |              |            |
| 14                   |        |    |       |   |       |   |       |   |              |              |            |
| 15                   |        |    |       |   |       |   |       |   |              |              |            |
| 16                   |        |    |       |   |       |   |       |   |              |              |            |
| 17                   |        |    |       |   |       |   |       |   |              |              |            |
| 18                   |        |    |       |   |       |   |       |   |              |              |            |
| 19                   |        |    |       |   |       |   |       |   |              |              |            |
| 20                   |        |    |       |   |       |   |       |   |              |              |            |
| 21                   |        |    |       |   |       |   |       |   |              |              |            |
| 22                   |        |    |       |   |       |   |       |   |              |              |            |
| 23                   |        |    |       |   |       |   |       |   |              |              |            |
| 24                   |        |    |       |   |       |   |       |   |              |              |            |
| 25                   |        |    |       |   |       |   |       |   |              |              |            |
| 26                   |        |    |       |   |       |   |       |   |              |              |            |
| 27                   |        |    |       |   |       |   |       |   |              |              |            |
| 28                   |        |    |       |   |       |   |       |   |              |              |            |
| 29                   |        |    |       |   |       |   |       |   |              |              |            |
| 30                   |        |    |       |   |       |   |       |   |              |              |            |

TCX = Tetrachloro-m-xylene  
DCB = Decachlorobiphenyl

ADVISORY  
QC LIMITS  
(60-150)  
(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<br>SAMPLE<br>NO. | TCX 1<br>%REC | # | TCX 2<br>%REC | # | DCB 1<br>%REC | # | DCB 2<br>%REC | # | OTHER<br>(1) | OTHER<br>(2) | TOT<br>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                   |               |   |               |   |               |   |               |   |              |              |            |

TCX = Tetrachloro-m-xylene  
DCB = Decachlorobiphenyl

ADVISORY  
QC LIMITS  
(60-150)  
(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

0080

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 RPD | 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 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

0086

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 |                |               |             |               |
| 16 |                |               |             |               |
| 17 |                |               |             |               |
| 18 |                |               |             |               |
| 19 |                |               |             |               |
| 20 |                |               |             |               |
| 21 |                |               |             |               |
| 22 |                |               |             |               |
| 23 |                |               |             |               |
| 24 |                |               |             |               |
| 25 |                |               |             |               |
| 26 |                |               |             |               |
| 27 |                |               |             |               |
| 28 |                |               |             |               |
| 29 |                |               |             |               |
| 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)

| CAS NO.    | COMPOUND                   | CONCENTRATION UNITS: |      | Q |
|------------|----------------------------|----------------------|------|---|
|            |                            | (ug/L or ug/Kg)      | ug/L |   |
| 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-Dichloroethane         | 1.0                  | U    |   |
| 75-34-3    | 1,1-Dichloroethane         | 1.0                  | U    |   |
| 540-59-0   | 1,2-Dichloroethane (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 |                |               |             |               |
| 07 |                |               |             |               |
| 08 |                |               |             |               |
| 09 |                |               |             |               |
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| 30 |                |               |             |               |

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)

| CAS NO.    | COMPOUND                   | CONCENTRATION UNITS: |       |
|------------|----------------------------|----------------------|-------|
|            |                            | (ug/L or ug/Kg)      | ug/Kg |
| 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<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>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 |                   |                  |                |                  |
| 21 |                   |                  |                |                  |
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| 27 |                   |                  |                |                  |
| 28 |                   |                  |                |                  |
| 29 |                   |                  |                |                  |

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 |
| 33-32-9  | 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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  |            | 3161J |
| 2.         | ALKYL SUBSTITUTED HYDROCARBON | 5.74  |            | 4891J |
| 3.         | UNKNOWN HYDROCARBON           | 6.71  |            | 631J  |
| 4.         | UNKNOWN ALCOHOL               | 8.88  |            | 991J  |
| 5. 79-34-5 | 1,1,1,2,2-TETRACHLOROETHANE   | 9.20  |            | 651J  |
| 6.         | UNKNOWN ALCOHOL               | 9.24  |            | 601J  |
| 7.         | UNKNOWN ALCOHOL               | 9.41  |            | 841J  |
| 8.         | ALKYL SUBSTITUTED HYDROCARBON | 20.92 |            | 661J  |
| 9. 57-10-3 | HEXADECANOIC ACID             | 25.17 |            | 871J  |
| 10.        | UNKNOWN HYDROCARBON           | 31.60 |            | 791J  |
| 11.        | UNKNOWN HYDROCARBON           | 38.11 |            | 521J  |
| 12.        |                               |       |            |       |
| 13.        |                               |       |            |       |
| 14.        |                               |       |            |       |
| 15.        |                               |       |            |       |
| 16.        |                               |       |            |       |
| 17.        |                               |       |            |       |
| 18.        |                               |       |            |       |
| 19.        |                               |       |            |       |
| 20.        |                               |       |            |       |
| 21.        |                               |       |            |       |
| 22.        |                               |       |            |       |
| 23.        |                               |       |            |       |
| 24.        |                               |       |            |       |
| 25.        |                               |       |            |       |
| 26.        |                               |       |            |       |
| 27.        |                               |       |            |       |
| 28.        |                               |       |            |       |
| 29.        |                               |       |            |       |
| 30.        |                               |       |            |       |

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 |                |               |             |               |
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| 29 |                |               |             |               |
| 30 |                |               |             |               |

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:

| CAS NO.   | COMPOUND                     | (ug/L or ug/Kg) | ug/L              | Q |
|-----------|------------------------------|-----------------|-------------------|---|
| 108-95-2  | Phenol                       |                 | 10 <sup>1</sup> U |   |
| 111-44-4  | bis(2-Chloroethyl)ether      |                 | 10 <sup>1</sup> U |   |
| 95-57-8   | 2-Chlorophenol               |                 | 10 <sup>1</sup> U |   |
| 1541-73-1 | 1,3-Dichlorobenzene          |                 | 10 <sup>1</sup> U |   |
| 5-46-7    | 1,4-Dichlorobenzene          |                 | 10 <sup>1</sup> U |   |
| 195-50-1  | 1,2-Dichlorobenzene          |                 | 10 <sup>1</sup> U |   |
| 95-48-7   | 2-Methylphenol               |                 | 10 <sup>1</sup> U |   |
| 108-60-1  | 2,2'-oxybis(1-Chloropropane) |                 | 10 <sup>1</sup> U |   |
| 106-44-5  | 4-Methylphenol               |                 | 10 <sup>1</sup> U |   |
| 621-64-7  | N-Nitroso-di-n-propylamine   |                 | 10 <sup>1</sup> U |   |
| 67-72-1   | Hexachloroethane             |                 | 10 <sup>1</sup> U |   |
| 98-95-3   | Nitrobenzene                 |                 | 10 <sup>1</sup> U |   |
| 78-59-1   | Isophorone                   |                 | 10 <sup>1</sup> U |   |
| 88-75-5   | 2-Nitrophenol                |                 | 10 <sup>1</sup> U |   |
| 105-67-9  | 2,4-Dimethylphenol           |                 | 10 <sup>1</sup> U |   |
| 111-91-1  | bis(2-Chloroethoxy)methane   |                 | 10 <sup>1</sup> U |   |
| 120-83-2  | 2,4-Dichlorophenol           |                 | 10 <sup>1</sup> U |   |
| 120-82-1  | 1,2,4-Trichlorobenzene       |                 | 10 <sup>1</sup> U |   |
| 91-20-3   | Naphthalene                  |                 | 10 <sup>1</sup> U |   |
| 106-47-8  | 4-Chloroaniline              |                 | 10 <sup>1</sup> U |   |
| 187-68-3  | Hexachlorobutadiene          |                 | 10 <sup>1</sup> U |   |
| 59-50-7   | 4-Chloro-3-methylphenol      |                 | 10 <sup>1</sup> U |   |
| 91-57-6   | 2-Methylnaphthalene          |                 | 10 <sup>1</sup> U |   |
| 77-47-4   | Hexachlorocyclopentadiene    |                 | 10 <sup>1</sup> U |   |
| 88-06-2   | 2,4,6-Trichlorophenol        |                 | 10 <sup>1</sup> U |   |
| 95-95-4   | 2,4,5-Trichlorophenol        |                 | 25 <sup>1</sup> U |   |
| 91-58-7   | 2-Chloronaphthalene          |                 | 10 <sup>1</sup> U |   |
| 88-74-4   | 2-Nitroaniline               |                 | 25 <sup>1</sup> U |   |
| 131-11-3  | Dimethylphthalate            |                 | 10 <sup>1</sup> U |   |
| 208-96-8  | Acenaphthylene               |                 | 10 <sup>1</sup> U |   |
| 606-20-2  | 2,6-Dinitrotoluene           |                 | 10 <sup>1</sup> U |   |
| 99-09-2   | 3-Nitroaniline               |                 | 25 <sup>1</sup> U |   |
| 93-32-9   | Acenaphthene                 |                 | 10 <sup>1</sup> U |   |

0097

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: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/L Q

|           |                            |      |  |
|-----------|----------------------------|------|--|
| 151-28-5  | 2,4-Dinitrophenol          | 25IU |  |
| 100-02-7  | 4-Nitrophenol              | 25IU |  |
| 1132-64-9 | Dibenzofuran               | 10IU |  |
| 121-14-2  | 2,4-Dinitrotoluene         | 10IU |  |
| 66-2      | Diethylphthalate           | 10IU |  |
| 1005-72-3 | 4-chlorophenyl-phenylether | 10IU |  |
| 186-73-7  | Fluorene                   | 10IU |  |
| 100-01-6  | 4-Nitroaniline             | 25IU |  |
| 1534-52-1 | 4,6-Dinitro-2-methylphenol | 25IU |  |
| 186-30-6  | N-Nitrosodiphenylamine (1) | 10IU |  |
| 101-55-3  | 4-Bromophenyl-phenylether  | 10IU |  |
| 118-74-1  | Hexachlorobenzene          | 10IU |  |
| 187-86-5  | Pentachlorophenol          | 25IU |  |
| 185-01-8  | Phenanthrene               | 10IU |  |
| 120-12-7  | Anthracene                 | 10IU |  |
| 186-74-8  | Carbazole                  | 10IU |  |
| 184-74-2  | Di-n-butylphthalate        | 10IU |  |
| 1206-44-0 | Fluoranthene               | 10IU |  |
| 129-00-0  | Pyrene                     | 10IU |  |
| 185-68-7  | Butylbenzylphthalate       | 10IU |  |
| 191-94-1  | 3,3'-Dichlorobenzidine     | 10IU |  |
| 156-55-3  | Benzo(a)anthracene         | 10IU |  |
| 218-01-9  | Chrysene                   | 10IU |  |
| 1117-81-7 | bis(2-Ethylhexyl)phthalate | 10IU |  |
| 1117-84-0 | Di-n-octylphthalate        | 10IU |  |
| 1205-99-2 | Benzo(b)fluoranthene       | 10IU |  |
| 1207-08-9 | Benzo(k)fluoranthene       | 10IU |  |
| 150-32-8  | Benzo(a)pyrene             | 10IU |  |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 10IU |  |
| 153-70-3  | Dibenz(a,h)anthracene      | 10IU |  |
| 191-24-2  | Benzo(g,h,i)perylene       | 10IU |  |

(1) - Cannot be separated from Diphenylamine

0098

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: \_\_\_\_\_

CONCENTRATION UNITS:

Number TICs found: 0

(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. |            |               |    |            |   |
| 13. |            |               |    |            |   |
| 14. |            |               |    |            |   |
| 15. |            |               |    |            |   |
| 16. |            |               |    |            |   |
| 17. |            |               |    |            |   |
| 18. |            |               |    |            |   |
| 19. |            |               |    |            |   |
| 20. |            |               |    |            |   |
| 21. |            |               |    |            |   |
| 22. |            |               |    |            |   |
| 23. |            |               |    |            |   |
| 24. |            |               |    |            |   |
| 25. |            |               |    |            |   |
| 26. |            |               |    |            |   |
| 27. |            |               |    |            |   |
| 28. |            |               |    |            |   |
| 29. |            |               |    |            |   |
| 30. |            |               |    |            |   |

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             |               |                 |                 |
| 18             |               |                 |                 |
| 19             |               |                 |                 |
| 20             |               |                 |                 |
| 21             |               |                 |                 |
| 22             |               |                 |                 |
| 23             |               |                 |                 |
| 24             |               |                 |                 |
| 25             |               |                 |                 |
| 26             |               |                 |                 |

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

Injection Volume:

2 (uL)

Dilution Factor:

1.0

GC1

GPC Cleanup: (Y/N)

y

pH: 7.0

Sulfur Cleanup: (Y/N)

N

GC2

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(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 |

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<br>SAMPLE NO. | LAB<br>SAMPLE ID | DATE<br>ANALYZED 1 | DATE<br>ANALYZED 2 |
|----|-------------------|------------------|--------------------|--------------------|
| 01 | FB                | FB               | 10/06/94           | 11/02/94           |
| 02 |                   |                  |                    |                    |
| 03 |                   |                  |                    |                    |
| 04 |                   |                  |                    |                    |
| 05 |                   |                  |                    |                    |
| 06 |                   |                  |                    |                    |
| 07 |                   |                  |                    |                    |
| 08 |                   |                  |                    |                    |
| 09 |                   |                  |                    |                    |
| 10 |                   |                  |                    |                    |
| 11 |                   |                  |                    |                    |
| 12 |                   |                  |                    |                    |
| 13 |                   |                  |                    |                    |
| 14 |                   |                  |                    |                    |
| 15 |                   |                  |                    |                    |
| 16 |                   |                  |                    |                    |
| 17 |                   |                  |                    |                    |
| 18 |                   |                  |                    |                    |
| 19 |                   |                  |                    |                    |
| 20 |                   |                  |                    |                    |
| 21 |                   |                  |                    |                    |
| 22 |                   |                  |                    |                    |
| 23 |                   |                  |                    |                    |
| 24 |                   |                  |                    |                    |
| 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

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND (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             |               |                 |                 |
| 08             |               |                 |                 |
| 09             |               |                 |                 |
| 10             |               |                 |                 |
| 11             |               |                 |                 |
| 12             |               |                 |                 |
| 13             |               |                 |                 |
| 14             |               |                 |                 |
| 15             |               |                 |                 |
| 16             |               |                 |                 |
| 17             |               |                 |                 |
| 18             |               |                 |                 |
| 19             |               |                 |                 |
| 20             |               |                 |                 |
| 21             |               |                 |                 |
| 22             |               |                 |                 |
| 23             |               |                 |                 |
| 24             |               |                 |                 |
| 25             |               |                 |                 |
| 26             |               |                 |                 |

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

CONCENTRATION UNITS:  
(ug/L or 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 |

INTERNAL STANDARDS  
VOLATILES

0107

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)<br>AREA # | RT # | IS2 (DFB)<br>AREA # | RT # | IS3 (CBZ)<br>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.

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)<br>AREA # | RT # | IS2 (DFB)<br>AREA # | RT # | IS3 (CBZ)<br>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             |                     |      |                     |      |                     |       |
| 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.

0109

SEMIVOLATILES

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab  
 Lab Code: RI010 Case No.: \_\_\_\_\_  
 Lab File ID (Standard): >V0602  
 Instrument ID: MACH 2

Contract: G&H RD/RA  
 SAS No.: \_\_\_\_\_ SDG No.: NETL19-1  
 Date Analyzed: 10/06/94  
 Time Analyzed: 0937

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>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             |                     |       |                     |       |                     |       |
| 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.

0111

## 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) |       | IS5 (CRY) |       | IS6 (PRY) |       |
|----------------|-----------|-------|-----------|-------|-----------|-------|
|                | AREA #    | RT #  | AREA #    | RT #  | 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             |           |       |           |       |           |       |
| 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.

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)<br>AREA # | RT #  | IS5 (CRY)<br>AREA # | RT #  | IS6 (PRY)<br>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             |                     |       |                     |       |                     |       |
| 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.

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)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>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             |                     |       |                     |       |                     |       |
| 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.

0114

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab  
 Lab Code: RI010 Case No.: \_\_\_\_\_  
 Lab File ID (Standard): >V1402  
 Instrument ID: MACH 2

Contract: G&H RD/RA  
 SAS No.: \_\_\_\_\_ SDG No.: NETL19-1  
 Date Analyzed: 10/14/94  
 Time Analyzed: 1745

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>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.

0115



SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab  
 Lab Code: RI010 Case No.: \_\_\_\_\_  
 Lab File ID (Standard): >V1705  
 Instrument ID: MACH 2

Contract: G&H RD/RA  
 SAS No.: \_\_\_\_\_ SDG No.: NETL19-1  
 Date Analyzed: 10/17/94  
 Time Analyzed: 1710

|                | IS1 (DCB) |       | IS2 (NPT) |       | IS3 (ANT) |       |
|----------------|-----------|-------|-----------|-------|-----------|-------|
|                | AREA      | #     | AREA      | #     | AREA      | #     |
| 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:               | <u>New England Testing Lab</u> | Contract:      | <u>G&amp;H RD/RA</u>        |
| Lab Code:               | <u>RI010</u>                   | Case No.:      | <u>                    </u> |
| Lab File ID (Standard): | <u>&gt;V1705</u>               | Date Analyzed: | <u>10/17/94</u>             |
| Instrument ID:          | <u>MACH 2</u>                  | Time Analyzed: | <u>1710</u>                 |

|                | IS4 (PHN)<br>AREA # | RT #  | IS5 (CRY)<br>AREA # | RT #  | IS6 (PRY)<br>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             |                     |       |                     |       |                     |       |
| 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.

0118

VOLATILES DATA PACKAGE  
QC SUMMARY

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<br>SAMPLE NO. | SMC1<br>(TOL) # | SMC2<br>(BFB) # | SMC3<br>(DCE) # | OTHER | TOT<br>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 |                   |                 |                 |                 |       |            |
| 14 |                   |                 |                 |                 |       |            |
| 15 |                   |                 |                 |                 |       |            |
| 16 |                   |                 |                 |                 |       |            |
| 17 |                   |                 |                 |                 |       |            |
| 18 |                   |                 |                 |                 |       |            |
| 19 |                   |                 |                 |                 |       |            |
| 20 |                   |                 |                 |                 |       |            |
| 21 |                   |                 |                 |                 |       |            |
| 22 |                   |                 |                 |                 |       |            |
| 23 |                   |                 |                 |                 |       |            |
| 24 |                   |                 |                 |                 |       |            |
| 25 |                   |                 |                 |                 |       |            |
| 26 |                   |                 |                 |                 |       |            |
| 27 |                   |                 |                 |                 |       |            |
| 28 |                   |                 |                 |                 |       |            |
| 29 |                   |                 |                 |                 |       |            |
| 30 |                   |                 |                 |                 |       |            |

SMC1 (TOL) = Toluene-d8  
 SMC2 (BFB) = Bromofluorobenzene  
 SMC3 (DCE) = 1,2-Dichloroethane-d4

QC LIMITS  
 (88-110)  
 (86-115)  
 (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<br>SAMPLE NO. | SMC1<br>(TOL) # | SMC2<br>(BFB) # | SMC3<br>(DCE) # | OTHER | TOT<br>OUT |
|----|-------------------|-----------------|-----------------|-----------------|-------|------------|
| 01 | VBLK02            | 98              | 81              | 99              |       | 0          |
| 02 | I2-2D             | 118             | 97              | 118             |       | 0          |
| 03 | 4-4C              | 112             | 90              | 95              |       | 0          |
| 04 | I2-2D MS          | 104             | 87              | 101             |       | 0          |
| 05 | 2-2D MSD          | 108             | 89              | 100             |       | 0          |
| 06 | I1-1CDL           | 104             | 97              | 97              |       | 0          |
| 07 |                   |                 |                 |                 |       |            |
| 08 |                   |                 |                 |                 |       |            |
| 09 |                   |                 |                 |                 |       |            |
| 10 |                   |                 |                 |                 |       |            |
| 11 |                   |                 |                 |                 |       |            |
| 12 |                   |                 |                 |                 |       |            |
| 13 |                   |                 |                 |                 |       |            |
| 14 |                   |                 |                 |                 |       |            |
| 15 |                   |                 |                 |                 |       |            |
| 16 |                   |                 |                 |                 |       |            |
| 17 |                   |                 |                 |                 |       |            |
| 18 |                   |                 |                 |                 |       |            |
| 19 |                   |                 |                 |                 |       |            |
| 20 |                   |                 |                 |                 |       |            |
| 21 |                   |                 |                 |                 |       |            |
| 22 |                   |                 |                 |                 |       |            |
| 23 |                   |                 |                 |                 |       |            |
| 24 |                   |                 |                 |                 |       |            |
| 25 |                   |                 |                 |                 |       |            |
| 26 |                   |                 |                 |                 |       |            |
| 27 |                   |                 |                 |                 |       |            |
| 28 |                   |                 |                 |                 |       |            |
| 29 |                   |                 |                 |                 |       |            |
| 30 |                   |                 |                 |                 |       |            |

SMC1 (TOL) = Toluene-d8  
 SMC2 (BFB) = Bromofluorobenzene  
 SMC3 (DCE) = 1,2-Dichloroethane-d4

QC LIMITS  
 (84-138)  
 (59-113)  
 (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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| 28 |                |               |             |               |
| 29 |                |               |             |               |
| 30 |                |               |             |               |

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 |                |               |             |               |
| 09 |                |               |             |               |
| 10 |                |               |             |               |
| 11 |                |               |             |               |
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| 24 |                |               |             |               |
| 25 |                |               |             |               |
| 26 |                |               |             |               |
| 27 |                |               |             |               |
| 28 |                |               |             |               |
| 29 |                |               |             |               |
| 30 |                |               |             |               |

COMMENTS:

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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  | 18.0 - 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<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| 01                | VSTD005          | R3102          | 08/31/94         | 1407             |
| 02                | VSTD010          | R3103          | 08/31/94         | 1649             |
| 03                | VSTD050          | R3104          | 08/31/94         | 1557             |
| 04                | VSTD075          | R3105          | 08/31/94         | 1649             |
| 05                | VSTD100          | R3106          | 08/31/94         | 1705             |
| 06                |                  |                |                  |                  |
| 07                |                  |                |                  |                  |
| 08                |                  |                |                  |                  |
| 09                |                  |                |                  |                  |
| 10                |                  |                |                  |                  |
| 11                |                  |                |                  |                  |
| 12                |                  |                |                  |                  |
| 13                |                  |                |                  |                  |
| 14                |                  |                |                  |                  |
| 15                |                  |                |                  |                  |
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| 18                |                  |                |                  |                  |
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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  | 18.0 - 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                 |

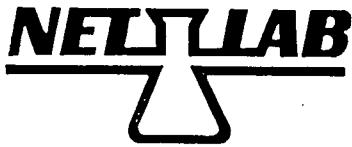
1-Value is % mass 174

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       | T1521       | 10/14/94      | 2337          |
| 02             | VBLK01        | T1522       | 10/15/94      | 1210          |
| 03             | FIELD BLANK   | T1523       | 10/15/94      | 1244          |
| 04             | TRIP BLANK    | T1524       | 10/15/94      | 0116          |
| 05             | 1-1DDL        | T1526       | 10/15/94      | 0223          |
| 06             | 2-2ADL        | T1527       | 10/15/94      | 0256          |
| 07             |               |             |               |               |
| 08             |               |             |               |               |
| 09             |               |             |               |               |
| 10             |               |             |               |               |
| 11             |               |             |               |               |
| 12             |               |             |               |               |
| 13             |               |             |               |               |
| 14             |               |             |               |               |
| 15             |               |             |               |               |
| 16             |               |             |               |               |
| 17             |               |             |               |               |
| 18             |               |             |               |               |
| 19             |               |             |               |               |
| 20             |               |             |               |               |
| 21             |               |             |               |               |
| 22             |               |             |               |               |

0127



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

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  | 18.0 - 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<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>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 |                   |                  |                |                  |                  |
| 13 |                   |                  |                |                  |                  |
| 14 |                   |                  |                |                  |                  |
| 15 |                   |                  |                |                  |                  |
| 16 |                   |                  |                |                  |                  |
| 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) |   | IS2 (DFB) |   | IS3 (CBZ) |      |
|----------------|-----------|---|-----------|---|-----------|------|
|                | AREA      | # | RT        | # | AREA      | #    |
| 12 HOUR STD    | 36501     |   | 6.45      |   | 265957    | 8.40 |
| UPPER LIMIT    | 73002     |   | 6.95      |   | 531914    | 8.90 |
| LOWER LIMIT    | 18251     |   | 5.95      |   | 132979    | 7.90 |
| EPA SAMPLE NO. |           |   |           |   |           |      |
| 01 VBLK01      | 36384     |   | 6.47      |   | 256804    | 8.43 |
| 02 FIELD BLANK | 34300     |   | 6.47      |   | 237560    | 8.43 |
| 03 TRIP BLANK  | 36723     |   | 6.48      |   | 241249    | 8.43 |
| 04 1-1DDL      | 37584     |   | 6.48      |   | 260038    | 8.44 |
| 05 2-2ADL      | 35852     |   | 6.47      |   | 244802    | 8.43 |
| 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)<br>AREA # | RT # | IS2 (DFB)<br>AREA # | RT # | IS3 (CBZ)<br>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             |                     |      |                     |      |                     |       |
| 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.

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:

| CAS NO.    | COMPOUND                   | (ug/L or ug/Kg) | 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 |

0133

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 | R.T.  | QIon | Response | Conc | Units | %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      | R.T.  | QIon | Response | Conc | Units  | 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  
 T1523.D VOC05.M Mon Oct 24 12:15:54 1994

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:

| CAS NO.    | COMPOUND                   | (ug/L or ug/Kg) | 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 : 1-1012.600g/5ml  
 Misc :   
 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        |



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 | R.T.  | QIon | Response | Conc | Units | %Recovery |
|-----------------------------|-------|------|----------|------|-------|-----------|
| 14) 1,2-Dichloroethane-D4   | 7.56  | 65   | 37765    | 5.20 | ug/L  | 103.91%   |
| 31) Tolúene-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              | R.T.  | QIon | Response | Conc  | Units  | 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     |

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:

| CAS NO.    | COMPOUND                   | (ug/L or ug/Kg) | 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        |

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)

| CAS NO.    | COMPOUND                   | CONCENTRATION UNITS: |       | Q |
|------------|----------------------------|----------------------|-------|---|
|            |                            | (ug/L or ug/Kg)      | ug/Kg |   |
| 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 |

0141

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        |

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:

| CAS NO.    | COMPOUND                   | (ug/L or ug/Kg) | 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 |

0143

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     |
|                             |       |      |          |       |        | %Recovery |
| System Monitoring Compounds |       |      |          |       |        |           |
| 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%    |
|                             |       |      |          |       |        | Qvalue    |
| Target Compounds            |       |      |          |       |        |           |
| 7) Acetone                  | 3.86  | 43   | 51548    | 4.29  | ug/L   | 88        |
| 9) Methylene Chloride       | 4.34  | 84   | 430478   | 20.18 | ug/L m | 93        |

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:

| CAS NO.    | COMPOUND                   | (ug/L or ug/Kg) | 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 | R.T.  | QIon | Response | Conc | Units | %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      | R.T.  | QIon | Response | Conc | Units  | 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 | 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-Dichloroethane        | 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-Dichloroethane(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-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.

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 | R.T.  | QIon | Response | Conc | Units | %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              | R.T.  | QIon | Response | Conc | Units  | 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  
 R3002.D VOC05.M Wed Oct 19 09:10:11 1994

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

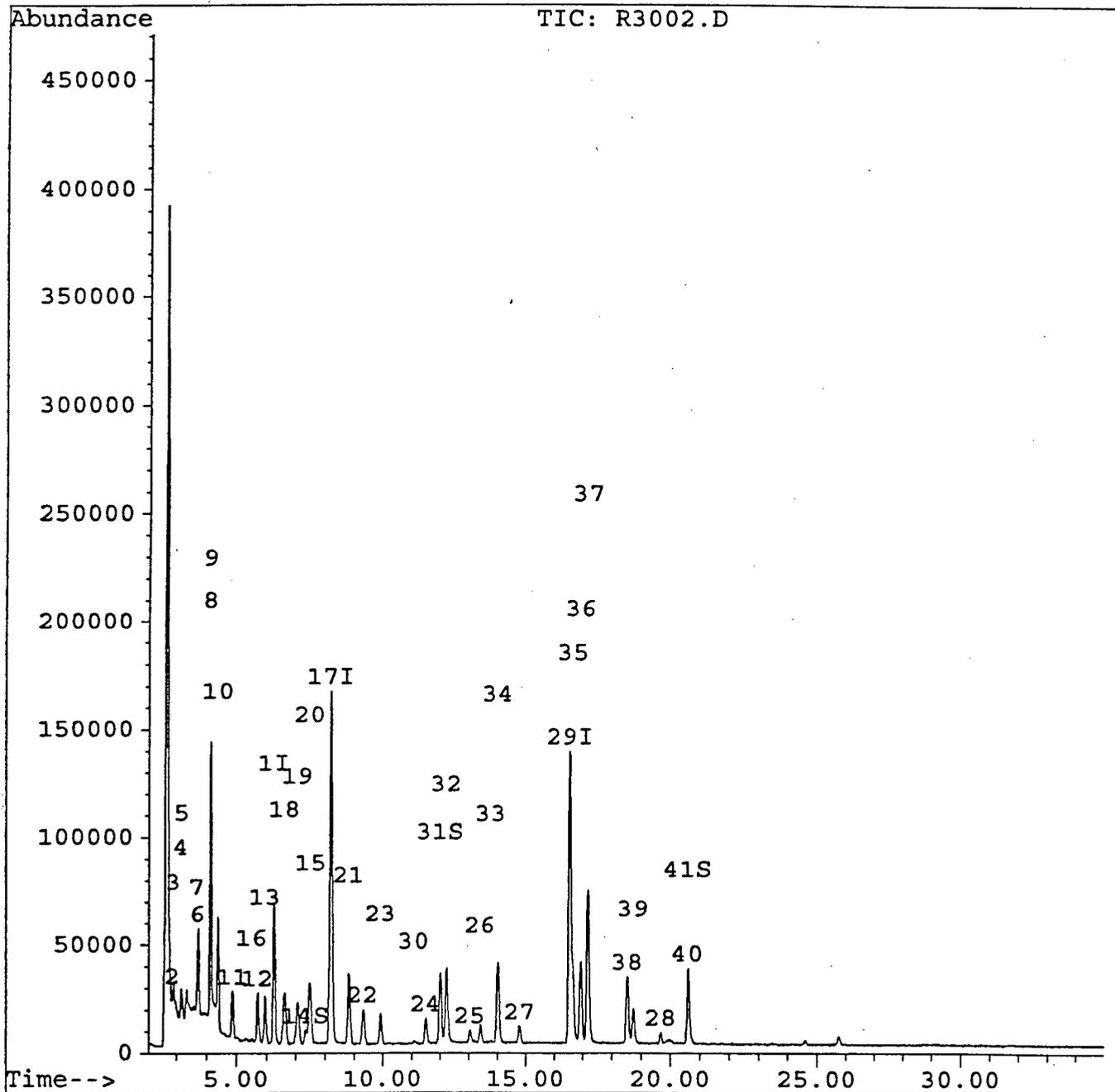
| Compound                      | R.T.  | QIon | Response | Conc | Unit   | Qvalue |
|-------------------------------|-------|------|----------|------|--------|--------|
| 40) 1,1,2,2-Tetrachloroethane | 20.59 | 83   | 10521    | 1.02 | ug/L # | 21     |

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

|                           | R.T.  | QIon | Response | Conc | Units | %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

|                               | R.T.  | QIon | Response | Conc | Units  | 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

R3003.D VOC05.M

Wed Oct 19 16:50:12 1994

Page 1

0152

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

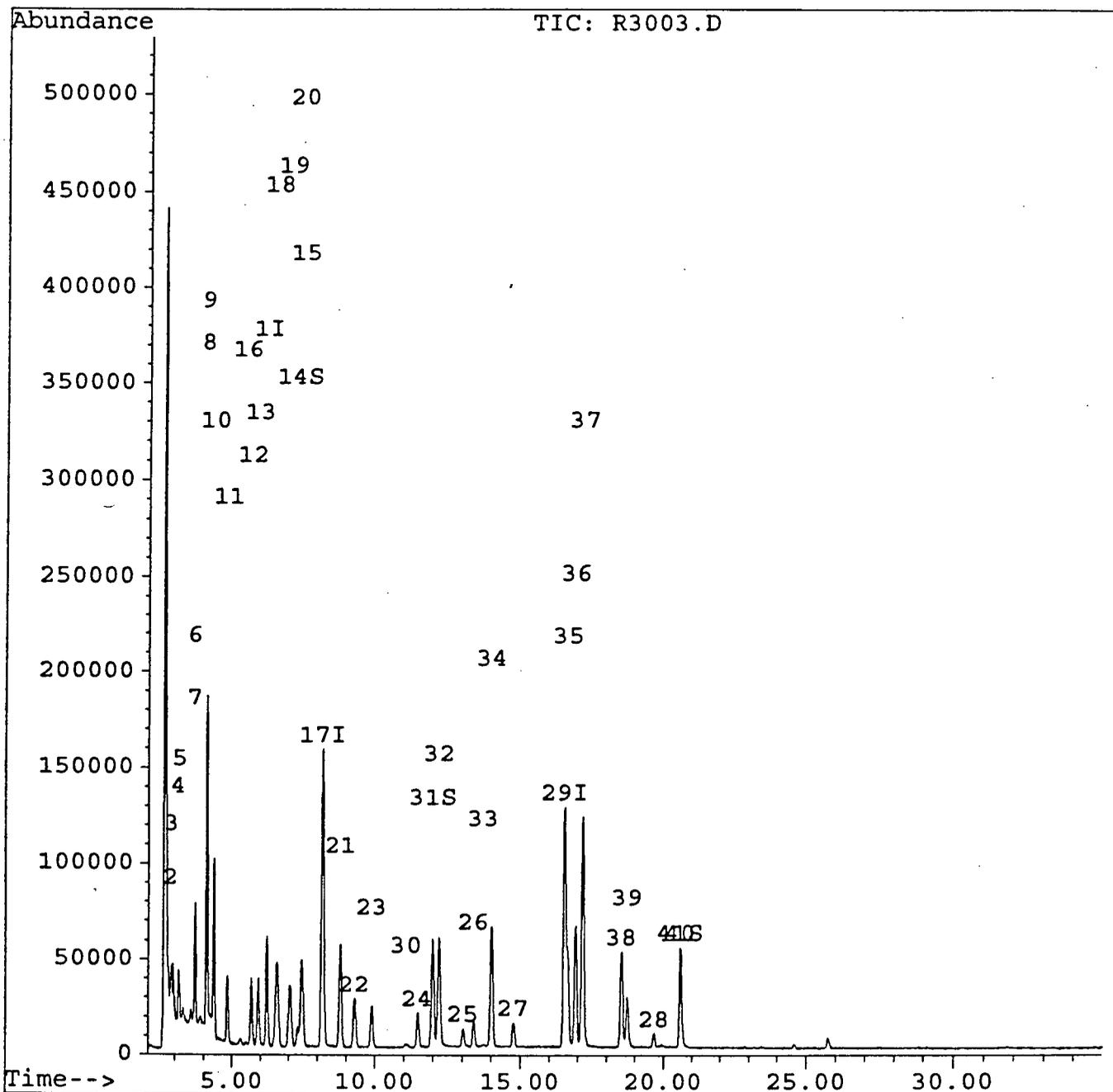
| Compound                      | R.T.  | QIon | Response | Conc Unit | Qvalue |
|-------------------------------|-------|------|----------|-----------|--------|
| 40) 1,1,2,2-Tetrachloroethane | 20.60 | 83   | 15455    | 1.61 ug/L | 95     |

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 | R.T.  | QIon | Response | Conc | Units | %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              | R.T.  | QIon | Response | Conc | Units  | 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  
 R3004.D VOC05.M Wed Oct 19 09:11:13 1994

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

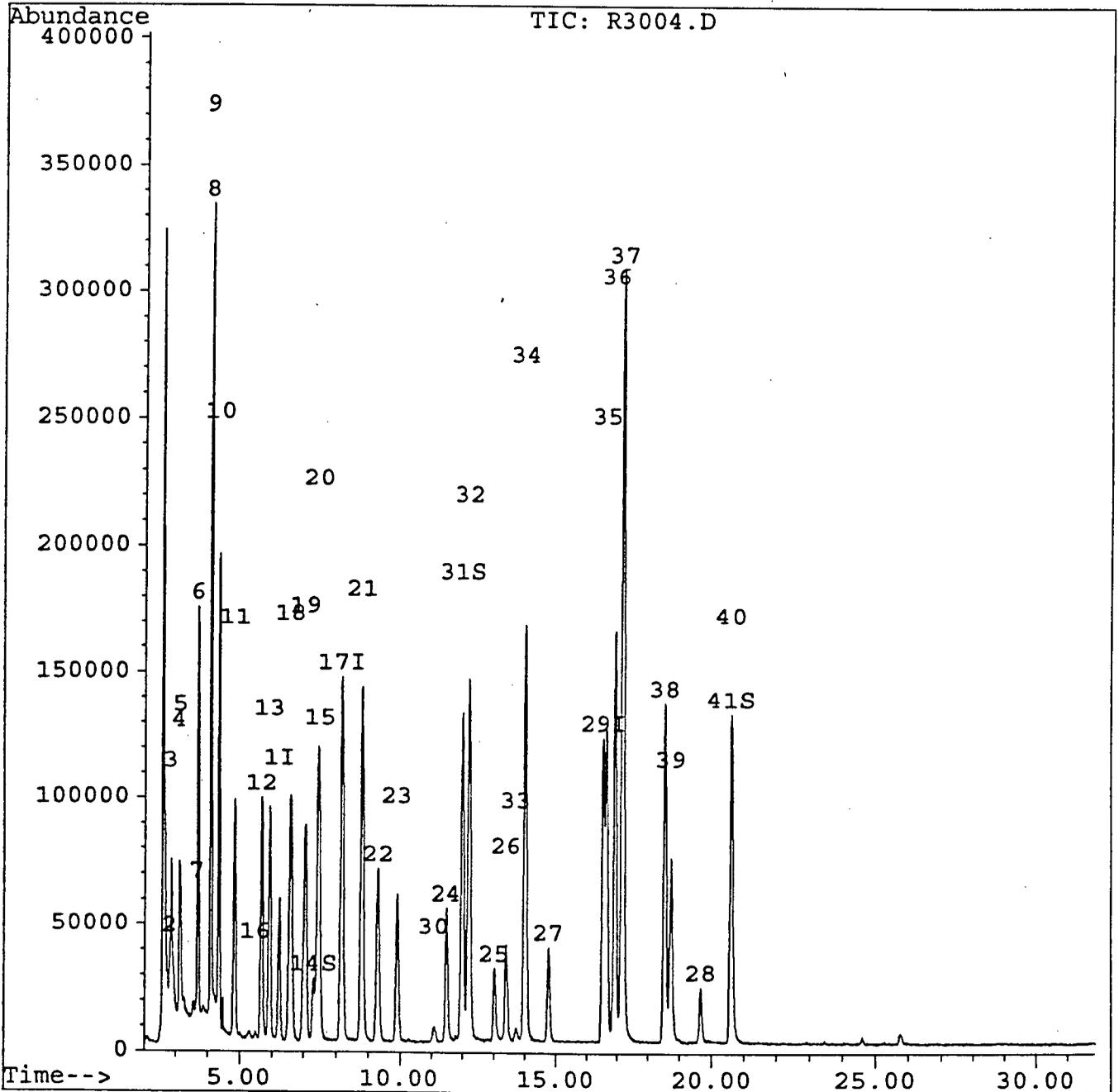
| Compound                      | R.T.  | QIon | Response | Conc | Unit | Qvalue |
|-------------------------------|-------|------|----------|------|------|--------|
| 40) 1,1,2,2-Tetrachloroethane | 20.60 | 83   | 43253    | 5.19 | ug/L | 95     |

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 | R.T.  | QIon | Response | Conc  | Units | %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              | R.T.  | QIon | Response | Conc  | Units  | 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  
 R3005.D VOC05.M Wed Oct 19 09:11:40 1994

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

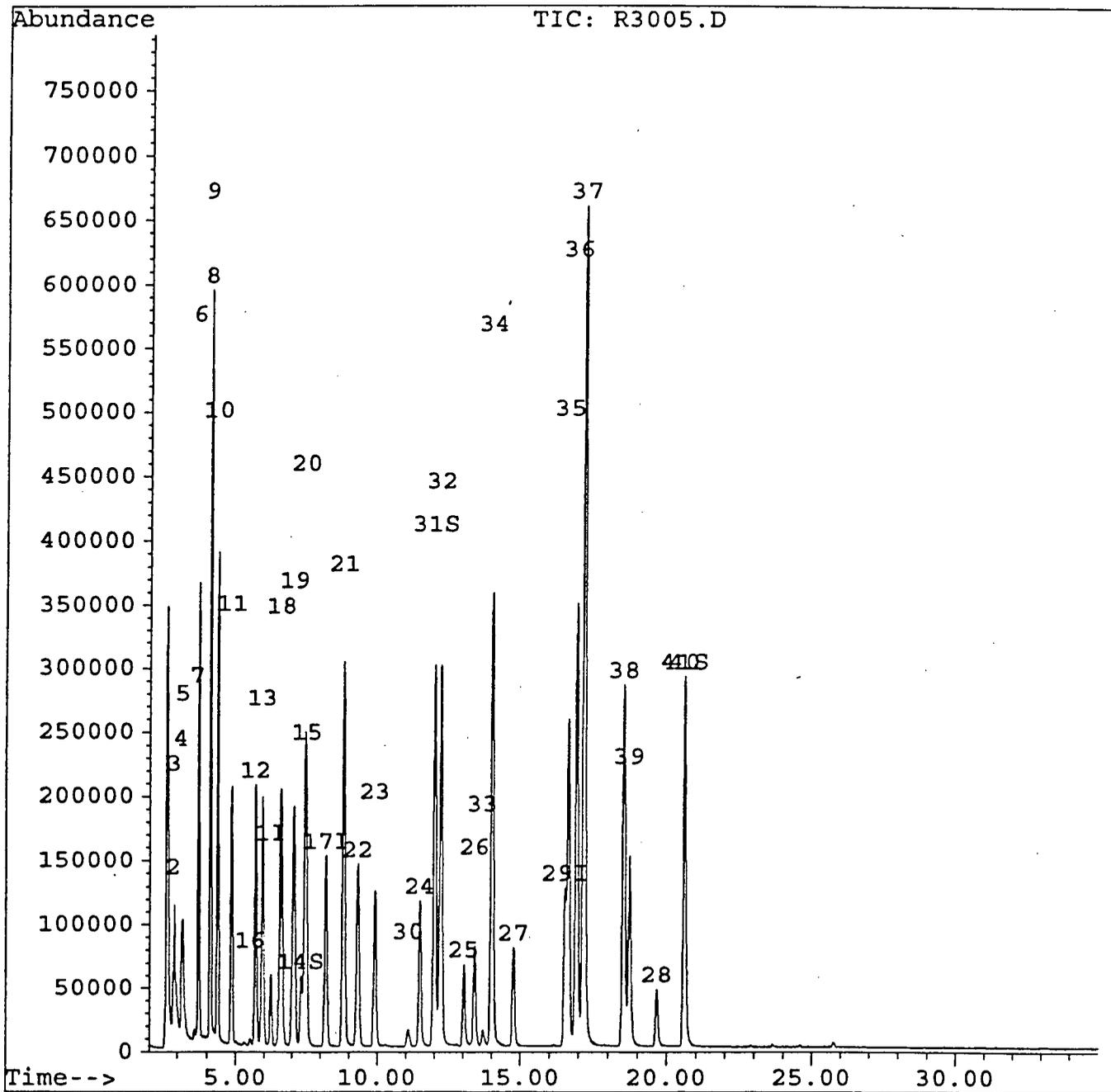
Method : C:\HPCHEM\1\METHODS\VOC05.M  
 Title : CLP WATER FULL LIST  
 Last Update : Sun Sep 18 09:58:48 1994  
 Response via : Multiple Level Calibration

| Compound                      | R.T.  | QIon | Response | Conc Unit  | Qvalue |
|-------------------------------|-------|------|----------|------------|--------|
| 40) 1,1,2,2-Tetrachloroethane | 20.60 | 83   | 92331    | 10.70 ug/L | 94     |

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

|                           | R.T.  | QIon | Response | Conc  | Units | %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

|                               | R.T.  | QIon | Response | Conc  | Units  | 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  
 R3007.D VOC05.M Wed Oct 19 09:12:43 1994

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

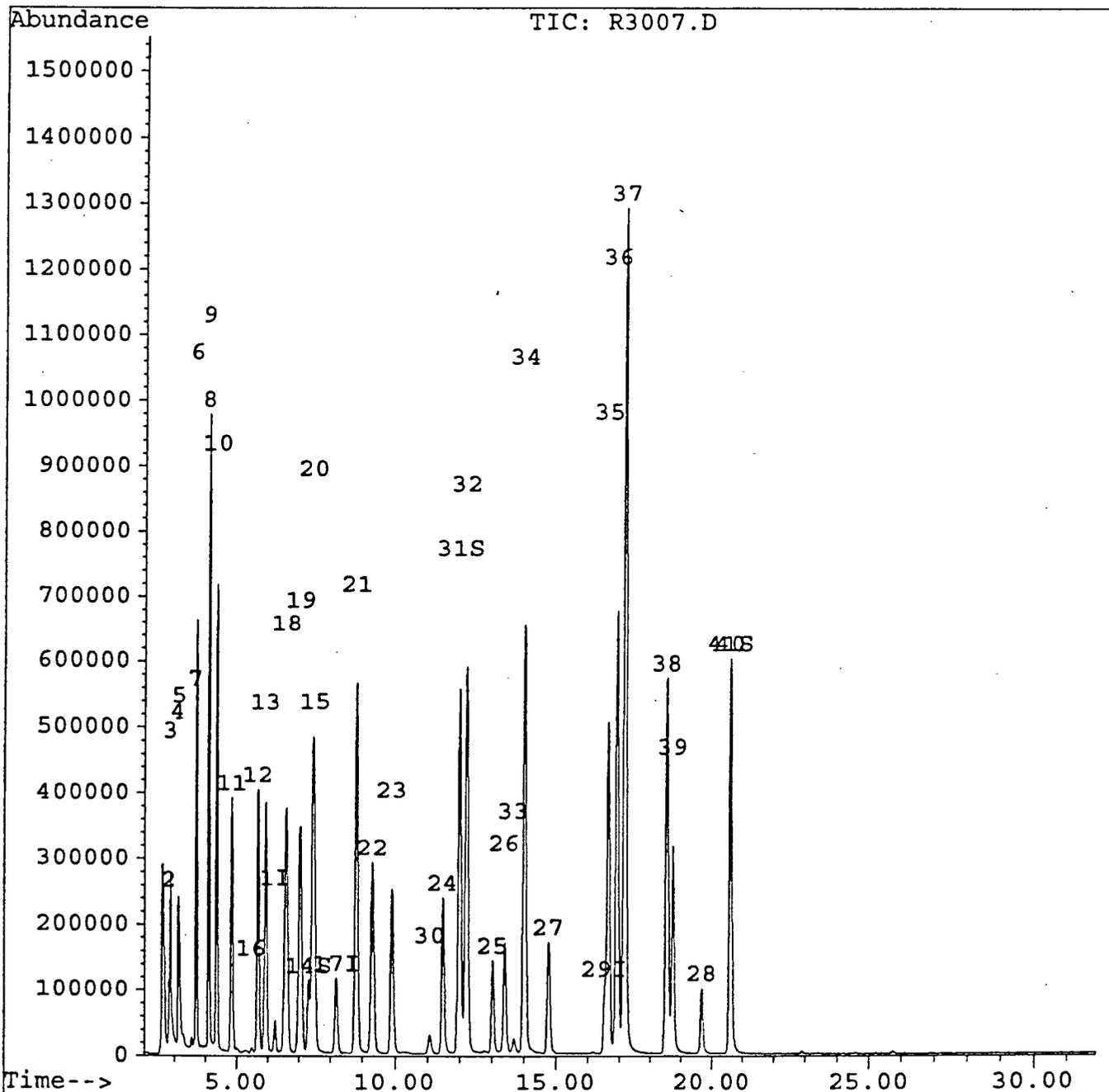
| Compound                      | R.T.  | QIon | Response | Conc  | Unit | Qvalue |
|-------------------------------|-------|------|----------|-------|------|--------|
| 40) 1,1,2,2-Tetrachloroethane | 20.60 | 83   | 197816   | 27.33 | ug/L | 93     |

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 1708  
 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 | 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          | 2.389   | 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-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  |
| 1,1,1,2-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 | R.T.  | QIon | Response | Conc | Units | %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              | R.T.  | QIon | Response | Conc  | Units  | 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  
 R3102.D VOC06.M Thu Sep 01 09:49:27 1994

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

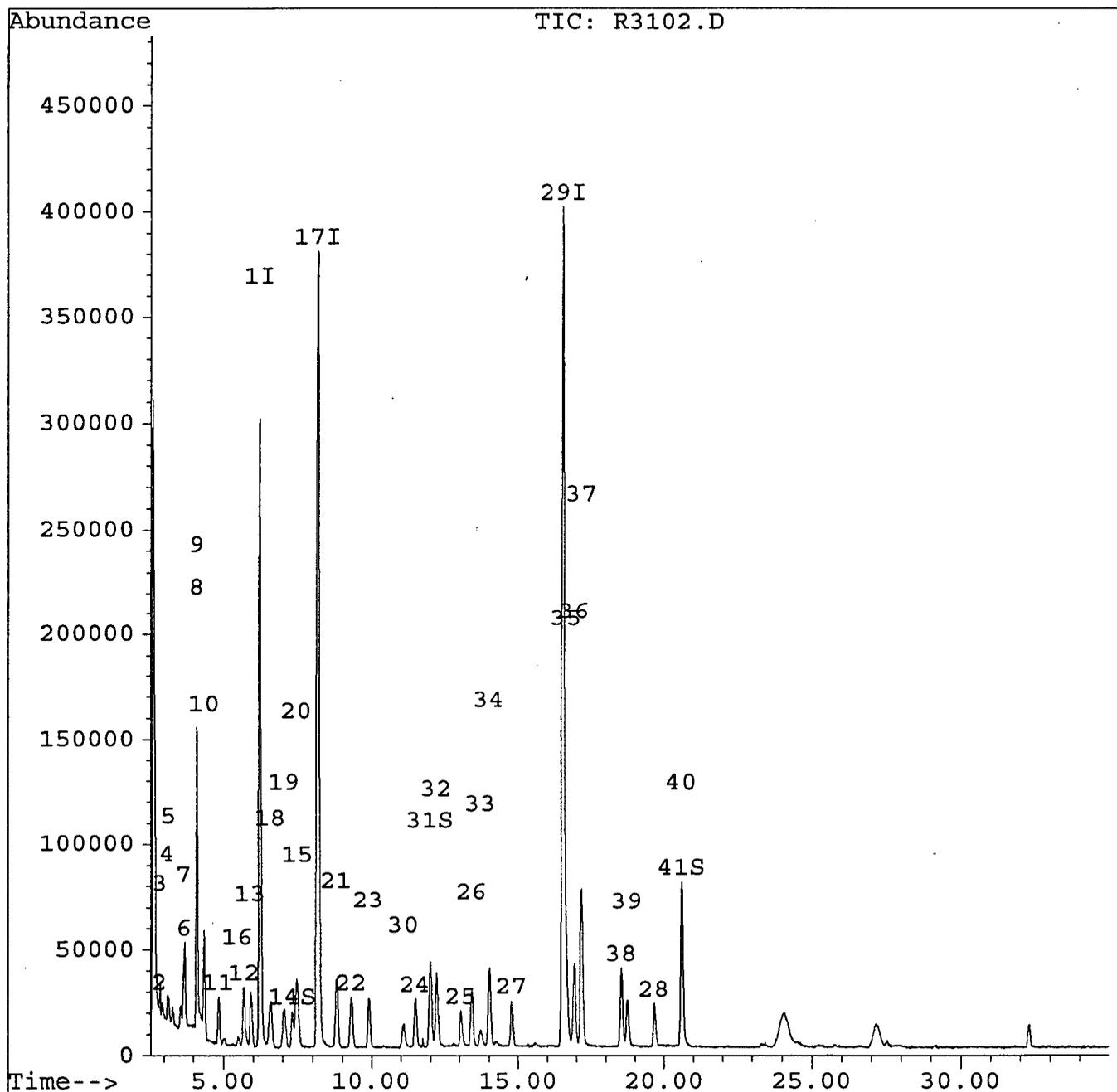
| Compound                      | R.T.  | QIon | Response | Conc Unit | Qvalue |
|-------------------------------|-------|------|----------|-----------|--------|
| 40) 1,1,2,2-Tetrachloroethane | 20.61 | 83   | 50624    | 4.93 ug/L | 92     |

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 | R.T.  | QIon | Response | Conc  | Units | %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              | R.T.  | QIon | Response | Conc  | Units  | 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  
 R3103.D VOC06.M Thu Sep 01 09:50:23 1994

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

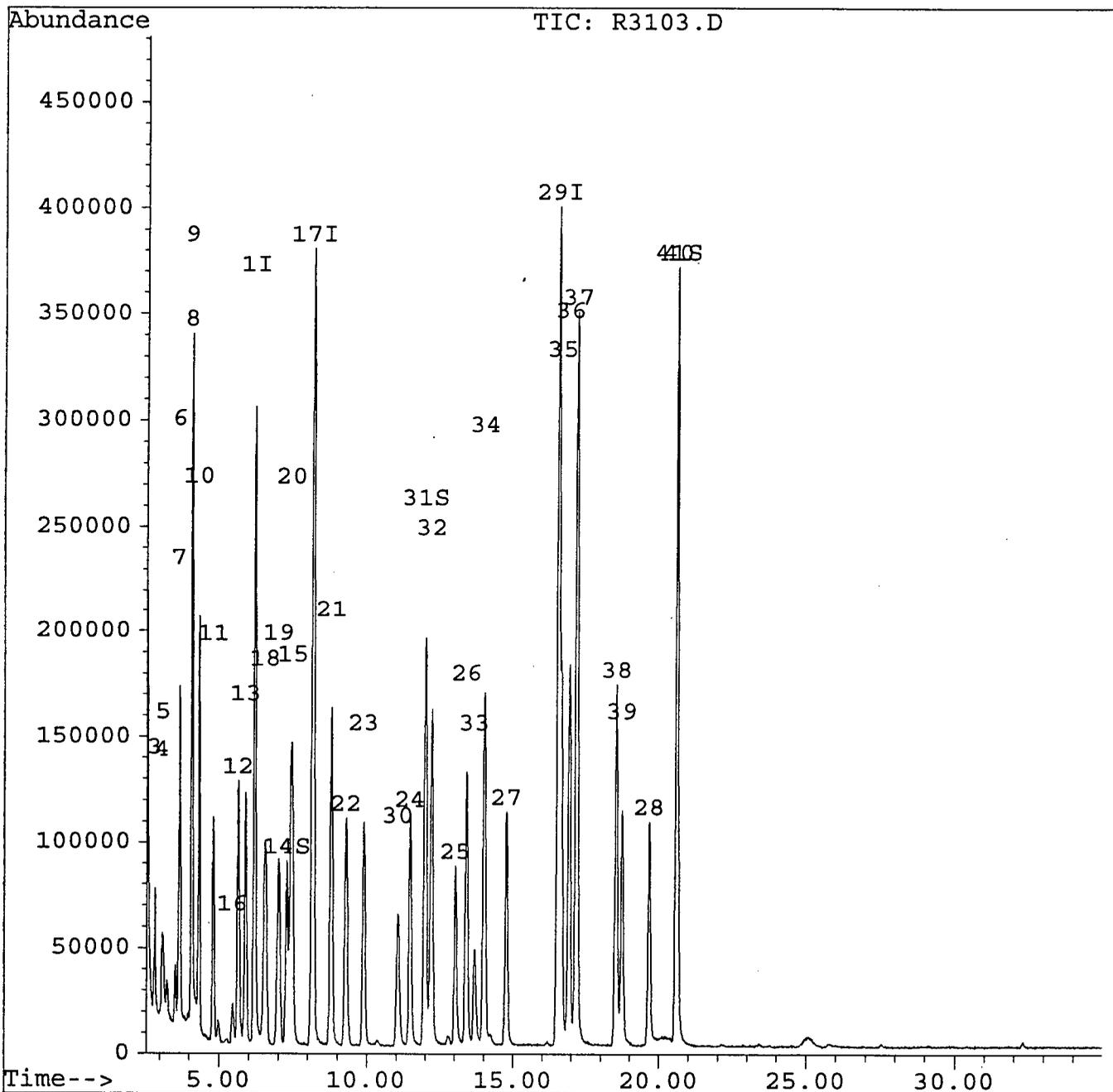
| Compound                      | R.T.  | QIon | Response | Conc Unit  | Qvalue |
|-------------------------------|-------|------|----------|------------|--------|
| 40) 1,1,2,2-Tetrachloroethane | 20.60 | 83   | 235470   | 22.42 ug/L | 93     |

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 | R.T.  | QIon | Response | Conc  | Units | %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              | R.T.  | QIon | Response | Conc  | Units  | 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  
 R3104.D VOC06.M Thu Sep 01 09:50:57 1994

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

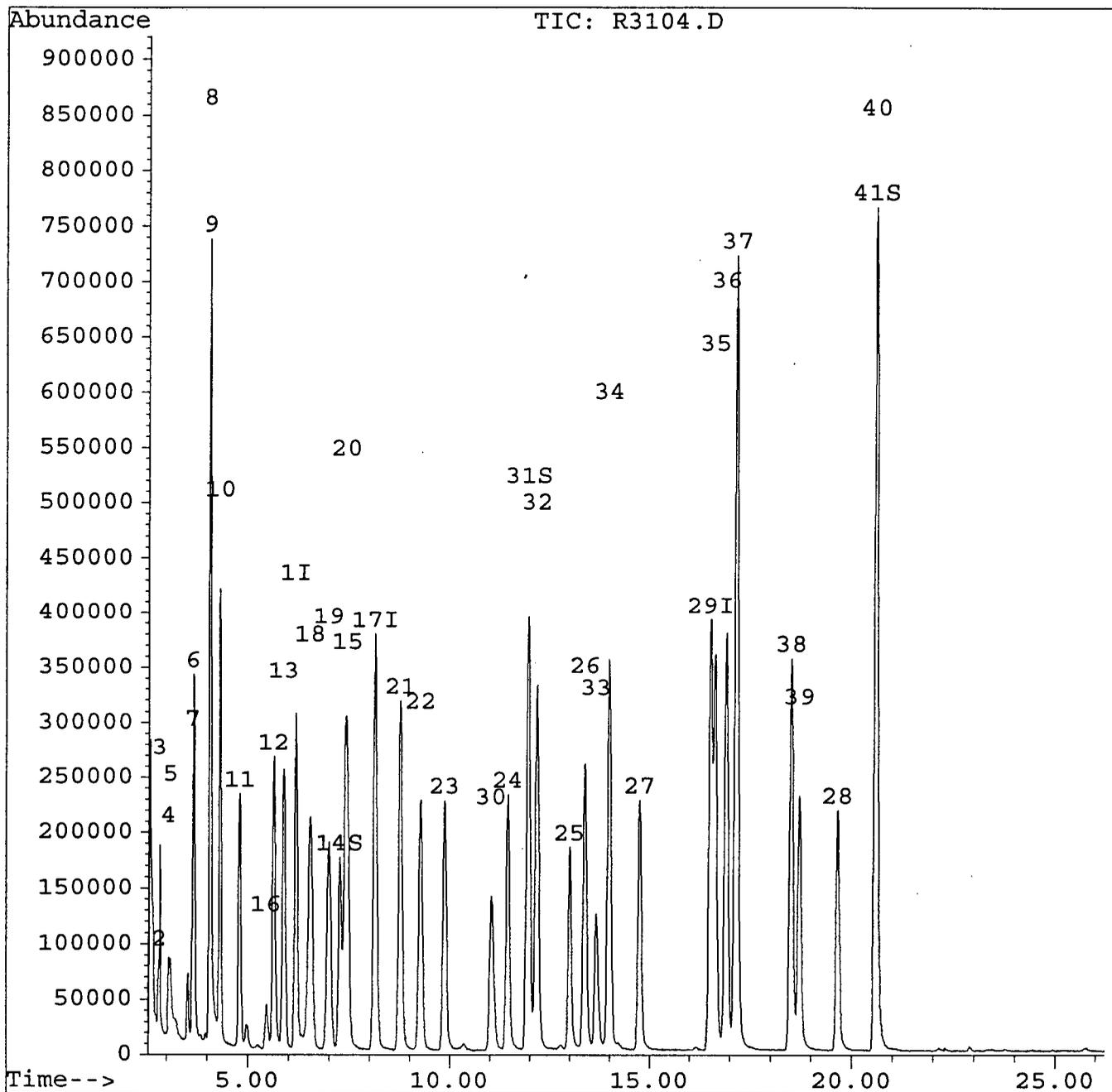
| Compound                      | R.T.  | QIon | Response | Conc Unit  | Qvalue |
|-------------------------------|-------|------|----------|------------|--------|
| 40) 1,1,2,2-Tetrachloroethane | 20.60 | 83   | 530628   | 51.53 ug/L | 93     |

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 | R.T.  | QIon | Response | Conc  | Units | %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              | R.T.  | QIon | Response | Conc   | Units  | 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  
 R3105.D VOC06.M Thu Sep 01 09:52:12 1994

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

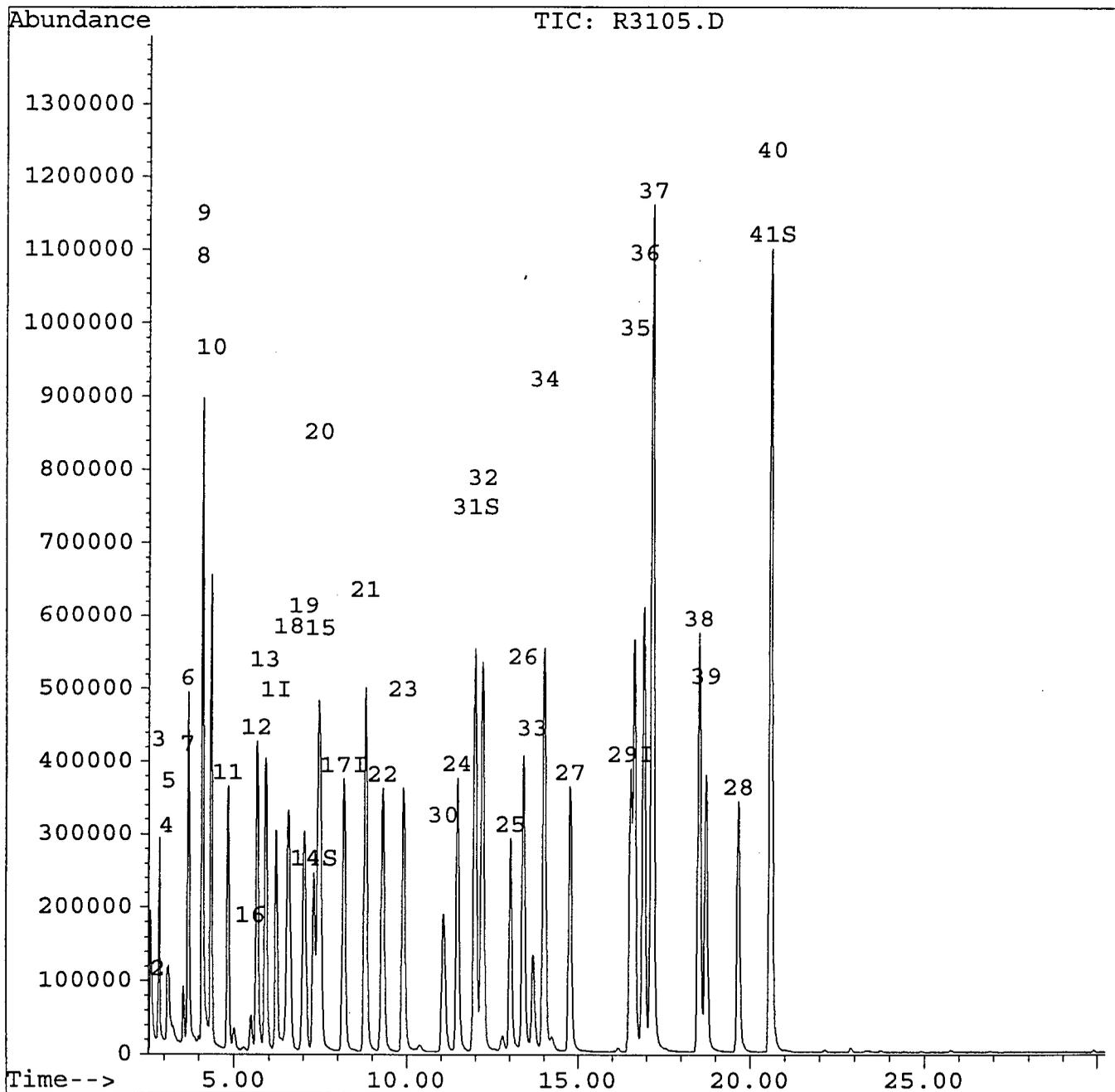
| Compound                      | R.T.  | QIon | Response | Conc Unit  | Qvalue |
|-------------------------------|-------|------|----------|------------|--------|
| 40) 1,1,2,2-Tetrachloroethane | 20.60 | 83   | 789647   | 78.09 ug/L | 93     |

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 | R.T.  | QIon | Response | Conc  | Units | %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              | R.T.  | QIon | Response | Conc   | Units  | 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  
 R3106.D VOC06.M Thu Sep 01 09:52:43 1994

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

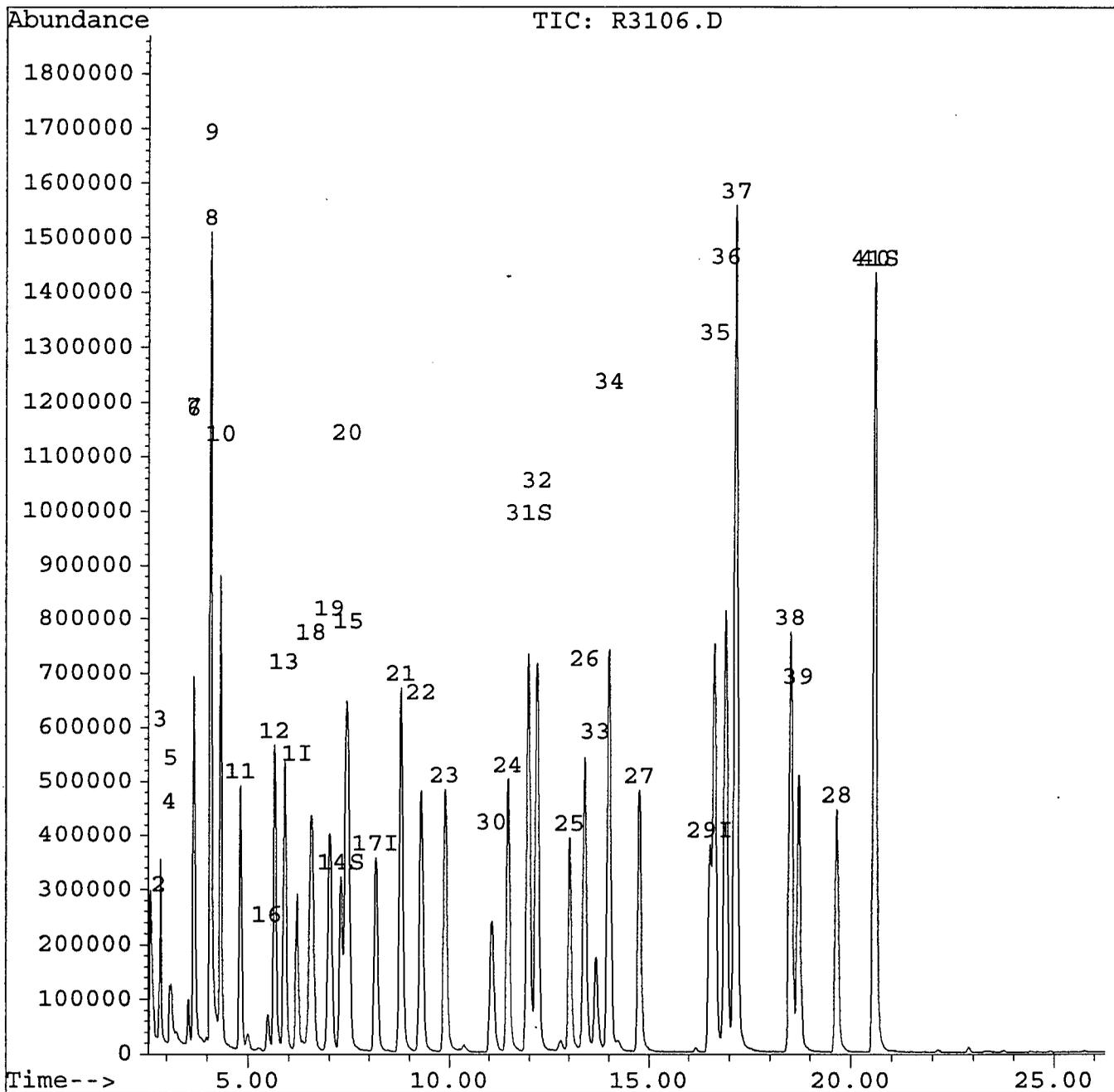
| Compound                      | R.T.  | QIon | Response | Conc   | Unit | Qvalue |
|-------------------------------|-------|------|----------|--------|------|--------|
| 40) 1,1,2,2-Tetrachloroethane | 20.59 | 83   | 1028115  | 104.54 | ug/L | 93     |

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

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   |        |
| 1,1,1-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-Dichloroethene (total)  | 4.589 | 4.438  |         | 3.3    |        |
| Chloroform                  | 3.960 | 4.067  | 0.200   | -2.7   | 25.0   |
| 1,1-Dichloroethane          | 1.058 | 1.277  | 0.100   | -20.7  | 25.0   |
| 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   |
| 1,1,1,2-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   |
| 1,1,1,2,2-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 | R.T.  | QIon | Response | Conc | Units | %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              | R.T.  | QIon | Response | Conc  | Units  | 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  
 T1521.D VOC05.M Mon Oct 24 12:09:30 1994

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     |

7A  
VOLATILE CONTINUING CALIBRATION CHECK

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-Dichloroethene (total) | 2.153 | 1.990 |         | 7.6    |        |
| Chloroform                 | 2.081 | 2.087 | 0.200   | -0.3   | 25.0   |
| 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 | R.T.  | QIon | Response | Conc  | Units | %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              | R.T.  | QIon | Response | Conc   | Units  | 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  
 T1501.D VOC06.M Mon Oct 24 11:54:02 1994

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

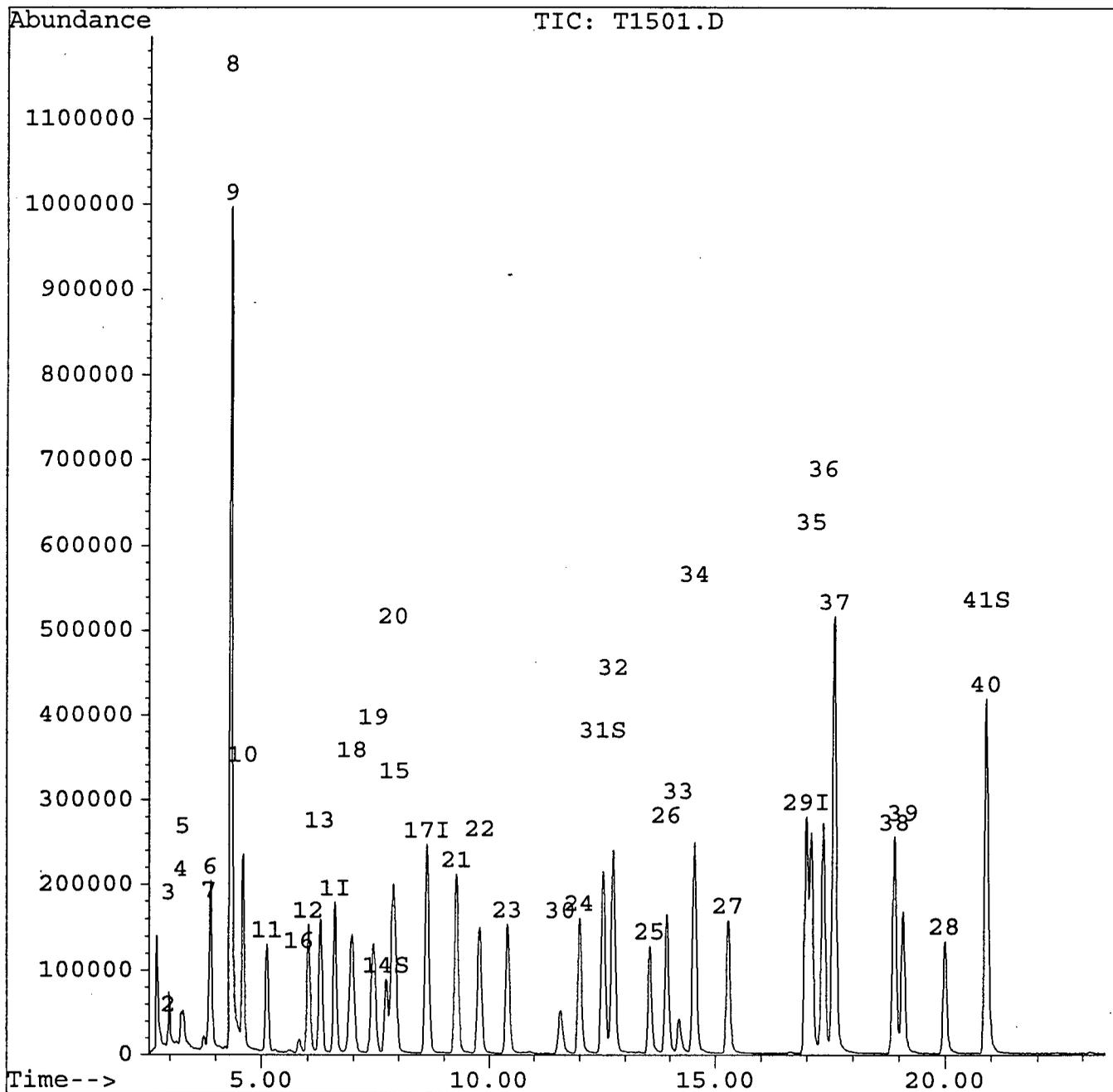
| Compound                      | R.T.  | QIon | Response | Conc Unit    | Qvalue |
|-------------------------------|-------|------|----------|--------------|--------|
| 40) 1,1,2,2-Tetrachloroethane | 20.88 | 83   | 271698   | 35.62 ug/L m | 94     |

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

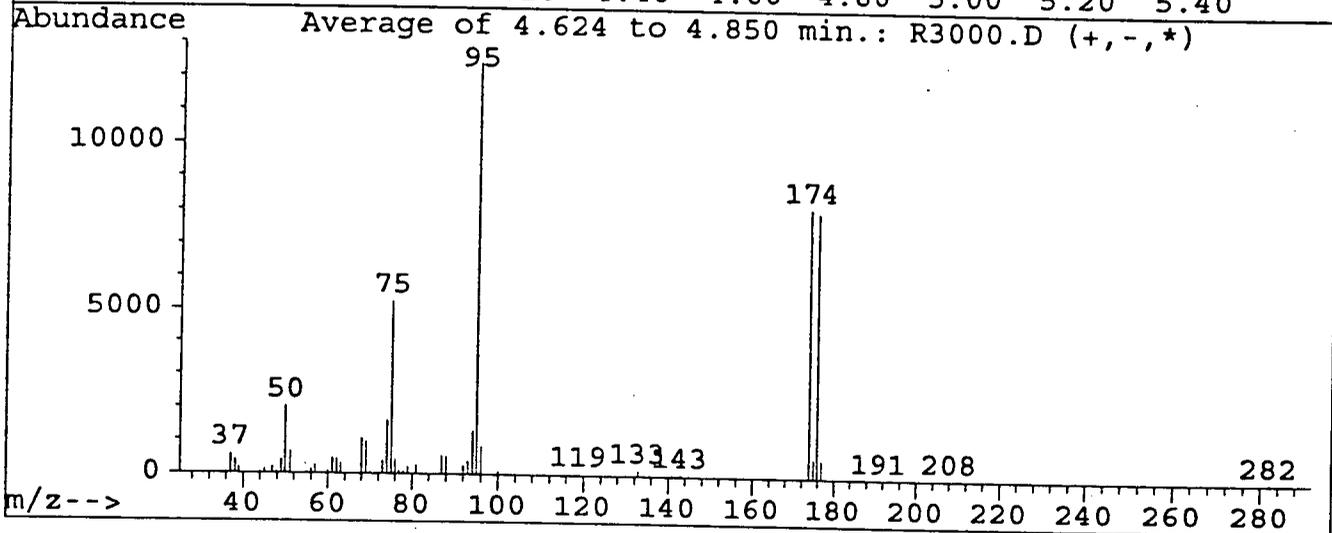
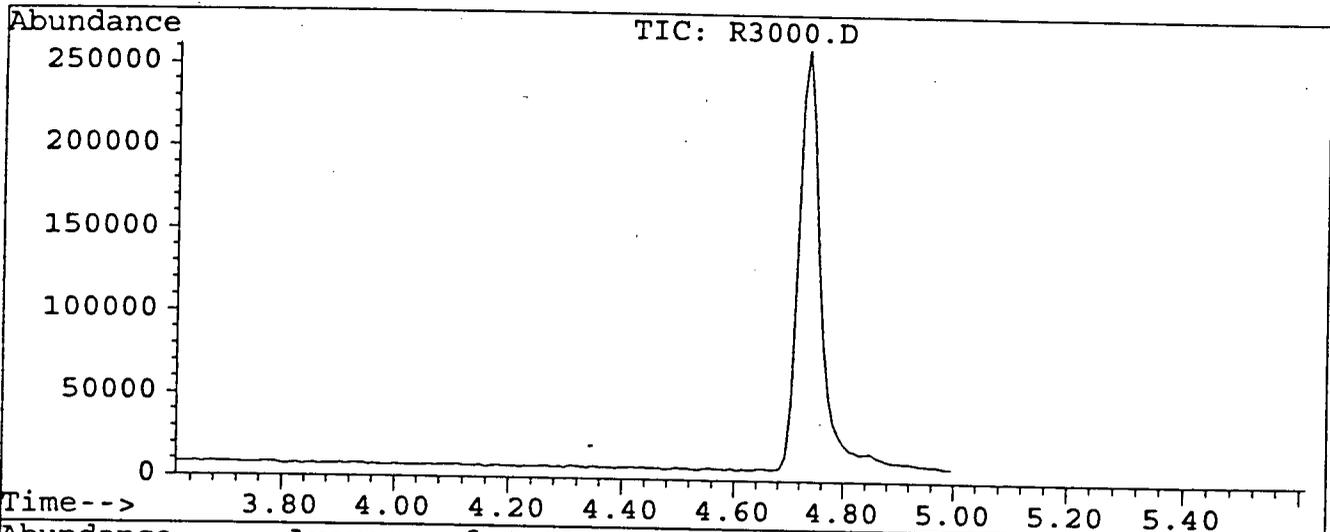


RAW QC DATA

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             |

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

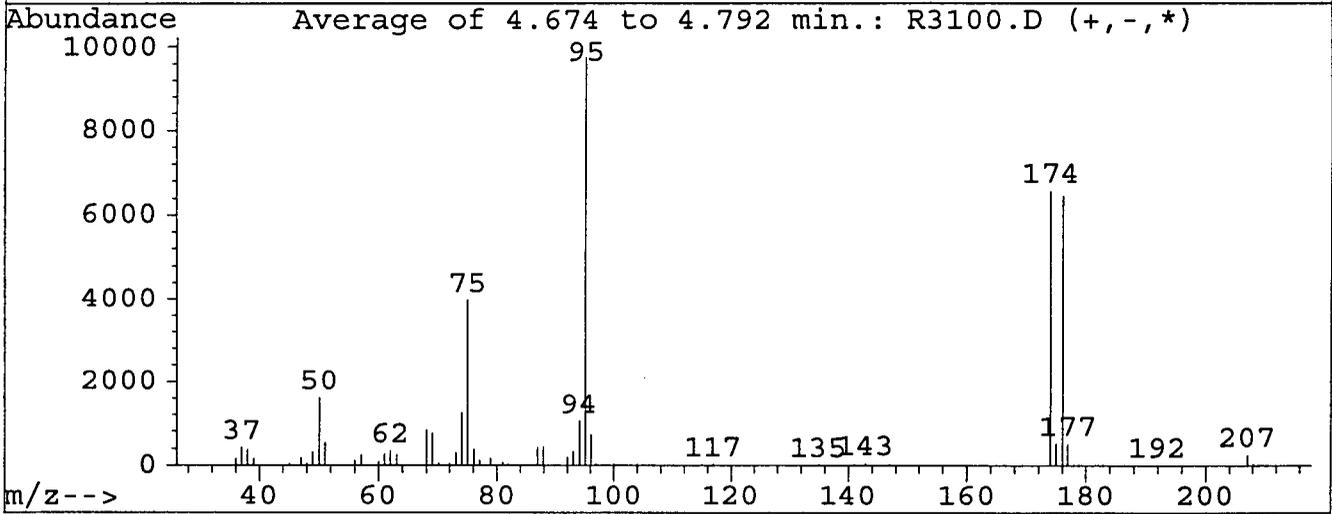
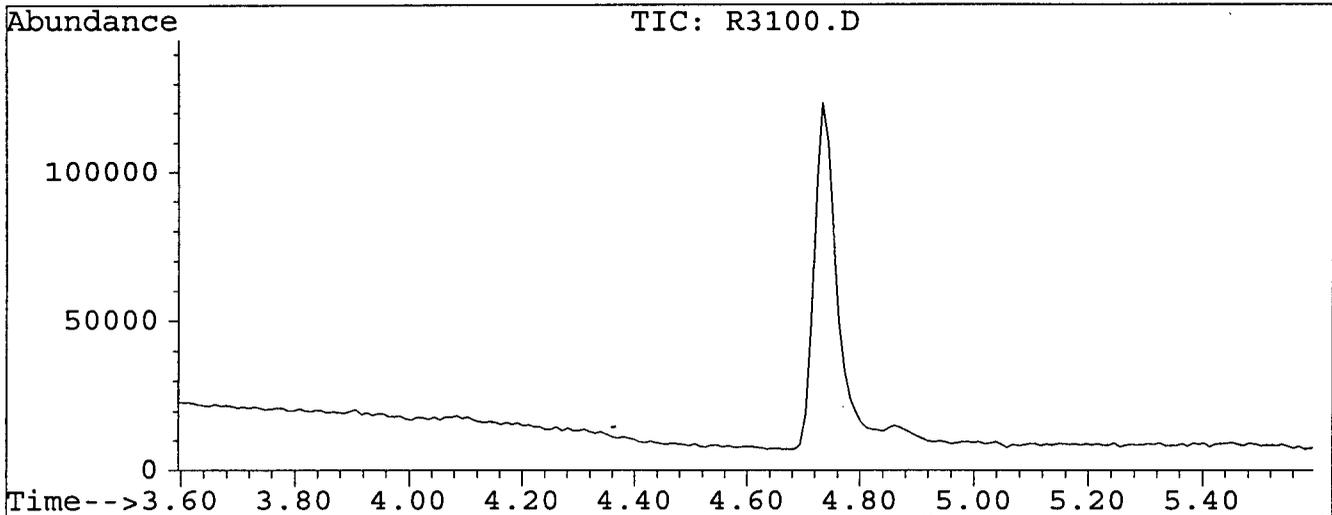
| m/z    | abund. | m/z    | abund. | m/z    | abund. | m/z    | abund. |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 91.00  | 38     | 115.90 | 20     | 142.95 | 54     | 191.05 | 3      |
| 92.00  | 278    | 116.90 | 39     | 145.90 | 4      | 208.00 | 18     |
| 93.00  | 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

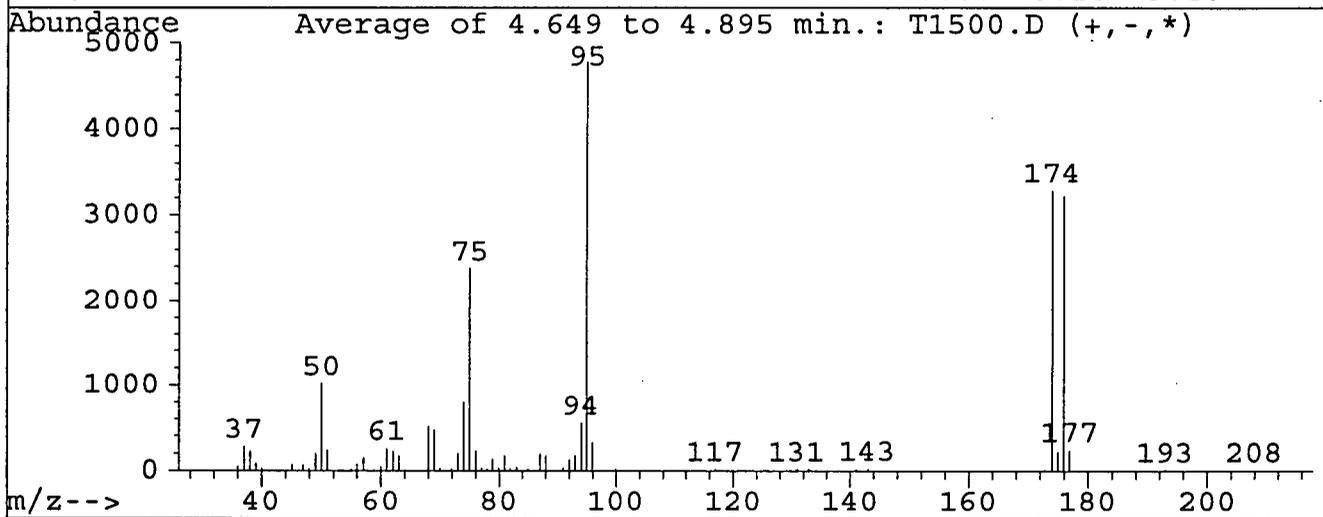
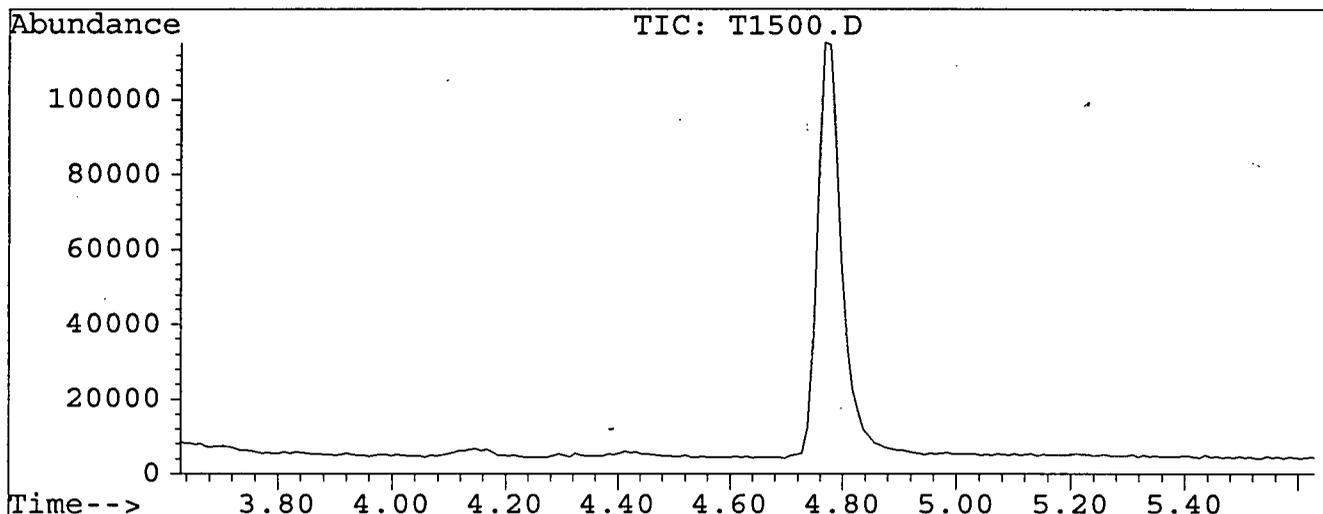
Modified:added subtracted scaled

| 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     |        |        |     |        |     |        |

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:

| CAS NO.    | COMPOUND                   | (ug/L or ug/Kg) | 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 : VBLK01  
 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 | R.T.  | QIon | Response | Conc | Units | %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

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:

| CAS NO.    | COMPOUND                   | (ug/L or ug/Kg) | 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      |
|                             |       |      |          |       |       | %Recovery |
| System Monitoring Compounds |       |      |          |       |       |           |
| 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%    |
|                             |       |      |          |       |       | Qvalue    |
| Target Compounds            |       |      |          |       |       |           |
| 7) Acetone                  | 3.87  | 43   | 72248    | 6.91  | ug/L  | 89        |
| 9) Methylene Chloride       | 4.36  | 84   | 183832   | 9.90  | ug/L  | 93        |

0197

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:

| CAS NO.    | COMPOUND                   | (ug/L or ug/Kg) | 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        |

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:

| CAS NO.    | COMPOUND                   | (ug/L or ug/Kg) | 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     |
|                             |       |      |          |       |        | %Recovery |
| System Monitoring Compounds |       |      |          |       |        |           |
| 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%    |
|                             |       |      |          |       |        | Qvalue    |
| Target Compounds            |       |      |          |       |        |           |
| 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

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<br>SAMPLE<br>NO. | S1<br>(NBZ)<br># | S2<br>(FBP)<br># | S3<br>(TPH)<br># | S4<br>(PHL)<br># | S5<br>(2FP)<br># | S6<br>(TBP)<br># | S7<br>(2CP)<br># | S8<br>(DCB)<br># | TOT<br>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<br>SAMPLE<br>NO. | S1<br>(NBZ)<br># | S2<br>(FBP)<br># | S3<br>(TPH)<br># | S4<br>(PHL)<br># | S5<br>(2FP)<br># | S6<br>(TBP)<br># | S7<br>(2CP)<br># | S8<br>(DCB)<br># | TOT<br>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 LabContract: G&H RD/RALab 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 RPD | 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 limitsSpike Recovery: 0 out of 22 outside limits

REMARKS:

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<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>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 |                   |                  |                |                  |
| 21 |                   |                  |                |                  |
| 22 |                   |                  |                |                  |
| 23 |                   |                  |                |                  |
| 24 |                   |                  |                |                  |
| 25 |                   |                  |                |                  |
| 26 |                   |                  |                |                  |
| 27 |                   |                  |                |                  |
| 28 |                   |                  |                |                  |
| 29 |                   |                  |                |                  |

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 |                |               |             |               |
| 07 |                |               |             |               |
| 08 |                |               |             |               |
| 09 |                |               |             |               |
| 10 |                |               |             |               |
| 11 |                |               |             |               |
| 12 |                |               |             |               |
| 13 |                |               |             |               |
| 14 |                |               |             |               |
| 15 |                |               |             |               |
| 16 |                |               |             |               |
| 17 |                |               |             |               |
| 18 |                |               |             |               |
| 19 |                |               |             |               |
| 20 |                |               |             |               |
| 21 |                |               |             |               |
| 22 |                |               |             |               |
| 23 |                |               |             |               |
| 24 |                |               |             |               |
| 25 |                |               |             |               |
| 26 |                |               |             |               |
| 27 |                |               |             |               |
| 28 |                |               |             |               |
| 29 |                |               |             |               |
| 30 |                |               |             |               |

COMMENTS:

5B  
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: New England Testing Laboratory  
 Lab Code: RI010 Case No.: \_\_\_\_\_  
 Lab File ID: >U0301  
 Instrument ID: MACH 2

Contract: G&H RD/RA  
 SAS No.: \_\_\_\_\_ SDG No.: NETL19-1  
 DFTPP Injection Date: 09/05/94  
 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          |
| 06 |                |               |             |               |               |
| 07 |                |               |             |               |               |
| 08 |                |               |             |               |               |
| 09 |                |               |             |               |               |
| 10 |                |               |             |               |               |
| 11 |                |               |             |               |               |
| 12 |                |               |             |               |               |
| 13 |                |               |             |               |               |
| 14 |                |               |             |               |               |
| 15 |                |               |             |               |               |
| 16 |                |               |             |               |               |
| 17 |                |               |             |               |               |
| 18 |                |               |             |               |               |
| 19 |                |               |             |               |               |
| 20 |                |               |             |               |               |
| 21 |                |               |             |               |               |
| 22 |                |               |             |               |               |

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: New England Testing LaboratoryContract: G&H RD/RALab Code: RI010 Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: NETL19-1Lab File ID: >V0601DFTPP Injection Date: 10/06/94Instrument ID: MACH 2DFTPP 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          |
| 10 |                |               |             |               |               |
| 11 |                |               |             |               |               |
| 12 |                |               |             |               |               |
| 13 |                |               |             |               |               |
| 14 |                |               |             |               |               |
| 15 |                |               |             |               |               |
| 16 |                |               |             |               |               |
| 17 |                |               |             |               |               |
| 18 |                |               |             |               |               |
| 19 |                |               |             |               |               |
| 20 |                |               |             |               |               |
| 21 |                |               |             |               |               |
| 22 |                |               |             |               |               |

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: New England Testing LaboratoryContract: G&H RD/RALab Code: RI010 Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: NETL19-1Lab File ID: >V0701DFTPP Injection Date: 10/07/94Instrument ID: MACH 2DFTPP 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 | IMS-2A         | I2A           | >V0703      | 10/07/94      | 1327          |
| 03 | MS-2D          | I2D           | >V0704      | 10/07/94      | 1439          |
| 04 | IMS-4C         | I4C           | >V0705      | 10/07/94      | 1552          |
| 05 | MS-2DMS        | I2D MS        | >V0706      | 10/07/94      | 1705          |
| 06 | IMS-2DMSD      | I2D MSD       | >V0707      | 10/07/94      | 1818          |
| 07 | SBLKS1         | I SBLKS1      | >V0708      | 10/07/94      | 1931          |
| 08 | SBLKW1         | I SBLKW1      | >V0709      | 10/07/94      | 2044          |
| 09 | FIELD BLANK    | I FIELD BLANK | >V0710      | 10/07/94      | 2157          |
| 10 | MS-2B          | I2B           | >V0711      | 10/07/94      | 2310          |
| 11 |                |               |             |               |               |
| 12 |                |               |             |               |               |
| 13 |                |               |             |               |               |
| 14 |                |               |             |               |               |
| 15 |                |               |             |               |               |
| 16 |                |               |             |               |               |
| 17 |                |               |             |               |               |
| 18 |                |               |             |               |               |
| 19 |                |               |             |               |               |
| 20 |                |               |             |               |               |
| 21 |                |               |             |               |               |
| 22 |                |               |             |               |               |

5B  
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: New England Testing Laboratory  
 Lab Code: RI010 Case No.: \_\_\_\_\_  
 Lab File ID: >V1401  
 Instrument ID: MACH 2

Contract: G&H RD/RA  
 SAS No.: \_\_\_\_\_ SDG No.: NETL19-1  
 DFTPP Injection Date: 10/14/94  
 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 | XXXXXX         | XXXXXX        | >V1403      | 10/14/94      | 1904          |
| 03 | XXXXXX         | XXXXXX        | >V1404      | 10/14/94      | 2005          |
| 04 | XXXXXX         | XXXXXX        | >V1405      | 10/14/94      | 2105          |
| 05 | XXXXXX         | XXXXXX        | >V1406      | 10/14/94      | 2206          |
| 06 | XXXXXX         | XXXXXX        | >V1407      | 10/14/94      | 2307          |
| 07 | XXXXXX         | XXXXXX        | >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          |
| 11 |                |               |             |               |               |
| 12 |                |               |             |               |               |
| 13 |                |               |             |               |               |
| 14 |                |               |             |               |               |
| 15 |                |               |             |               |               |
| 16 |                |               |             |               |               |
| 17 |                |               |             |               |               |
| 18 |                |               |             |               |               |
| 19 |                |               |             |               |               |
| 20 |                |               |             |               |               |
| 21 |                |               |             |               |               |
| 22 |                |               |             |               |               |

5B  
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: New England Testing Laboratory  
 Lab Code: RI010 Case No.: \_\_\_\_\_  
 Lab File ID: >V1704  
 Instrument ID: MACH 2

Contract: G&H RD/RA  
 SAS No.: \_\_\_\_\_ SDG No.: NETL19-1  
 DFTPP Injection Date: 10/17/94  
 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 | 15A            | 15A           | >V1706      | 10/17/94      | 1839          |
| 03 | 5B             | 5B            | >V1707      | 10/17/94      | 1940          |
| 04 |                |               |             |               |               |
| 05 |                |               |             |               |               |
| 06 |                |               |             |               |               |
| 07 |                |               |             |               |               |
| 08 |                |               |             |               |               |
| 09 |                |               |             |               |               |
| 10 |                |               |             |               |               |
| 11 |                |               |             |               |               |
| 12 |                |               |             |               |               |
| 13 |                |               |             |               |               |
| 14 |                |               |             |               |               |
| 15 |                |               |             |               |               |
| 16 |                |               |             |               |               |
| 17 |                |               |             |               |               |
| 18 |                |               |             |               |               |
| 19 |                |               |             |               |               |
| 20 |                |               |             |               |               |
| 21 |                |               |             |               |               |
| 22 |                |               |             |               |               |

## 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)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>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             |                     |       |                     |       |                     |       |
| 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.

## 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)<br>AREA # | RT #  | IS5 (CRY)<br>AREA # | RT #  | IS6 (PRY)<br>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<br>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                |                     |       |                     |       |                     |       |
| 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.

## 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)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>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<br>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                |                     |       |                     |       |                     |       |
| 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.

## 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)<br>AREA # | RT #  | IS5 (CRY)<br>AREA # | RT #  | IS6 (PRY)<br>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<br>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                |                     |       |                     |       |                     |       |
| 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.

## 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)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>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<br>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.

## 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)<br>AREA # | RT #  | IS5 (CRY)<br>AREA # | RT #  | IS6 (PRY)<br>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<br>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.

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)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>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.

## 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)<br>AREA # | RT #  | IS5 (CRY)<br>AREA # | RT #  | IS6 (PRY)<br>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<br>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                |                     |       |                     |       |                     |       |
| 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.

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                 | Q |
| 108-95-2 | Phenol                       | 11                   | U |
| 111-44-4 | bis(2-Chloroethyl)ether      | 11                   | U |
| 95-57-8  | 2-Chlorophenol               | 11                   | U |
| 111-73-1 | 1,3-Dichlorobenzene          | 11                   | U |
| 106-46-7 | 1,4-Dichlorobenzene          | 11                   | U |
| 195-50-1 | 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 |
| 187-68-3 | 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 |
| 106-20-2 | 2,6-Dinitrotoluene           | 11                   | U |
| 109-09-2 | 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 Q

| CAS NO.   | COMPOUND                   | CONCENTRATION UNITS:          |
|-----------|----------------------------|-------------------------------|
|           |                            | (ug/L or ug/Kg) <u>ug/L</u> Q |
| 51-28-5   | 2,4-Dinitrophenol          | 27IU                          |
| 100-02-7  | 4-Nitrophenol              | 27IU                          |
| 132-64-9  | Dibenzofuran               | 11IU                          |
| 121-14-2  | 2,4-Dinitrotoluene         | 11IU                          |
| 66-2      | Diethylphthalate           | 11IU                          |
| 7005-72-3 | 4-chlorophenyl-phenylether | 11IU                          |
| 86-73-7   | Fluorene                   | 11IU                          |
| 100-01-6  | 4-Nitroaniline             | 27IU                          |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 27IU                          |
| 86-30-6   | N-Nitrosodiphenylamine (1) | 11IU                          |
| 101-55-3  | 4-Bromophenyl-phenylether  | 11IU                          |
| 118-74-1  | Hexachlorobenzene          | 11IU                          |
| 87-86-5   | Pentachlorophenol          | 27IU                          |
| 85-01-8   | Phenanthrene               | 11IU                          |
| 120-12-7  | Anthracene                 | 11IU                          |
| 86-74-8   | Carbazole                  | 11IU                          |
| 84-74-2   | Di-n-butylphthalate        | 11IU                          |
| 206-44-0  | Fluoranthene               | 11IU                          |
| 129-00-0  | Pyrene                     | 11IU                          |
| 85-68-7   | Butylbenzylphthalate       | 11IU                          |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 11IU                          |
| 56-55-3   | Benzo(a)anthracene         | 11IU                          |
| 218-01-9  | Chrysene                   | 11IU                          |
| 117-81-7  | bis(2-Ethylhexyl)phthalate | 11IU                          |
| 117-84-0  | Di-n-octylphthalate        | 11IU                          |
| 205-99-2  | Benzo(b)fluoranthene       | 11IU                          |
| 207-08-9  | Benzo(k)fluoranthene       | 11IU                          |
| 150-32-8  | Benzo(a)pyrene             | 11IU                          |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 11IU                          |
| 53-70-3   | Dibenz(a,h)anthracene      | 11IU                          |
| 191-24-2  | Benzo(g,h,i)perylene       | 11IU                          |

(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. |            |               |    |            |   |
| 13. |            |               |    |            |   |
| 14. |            |               |    |            |   |
| 15. |            |               |    |            |   |
| 16. |            |               |    |            |   |
| 17. |            |               |    |            |   |
| 18. |            |               |    |            |   |
| 19. |            |               |    |            |   |
| 20. |            |               |    |            |   |
| 21. |            |               |    |            |   |
| 22. |            |               |    |            |   |
| 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

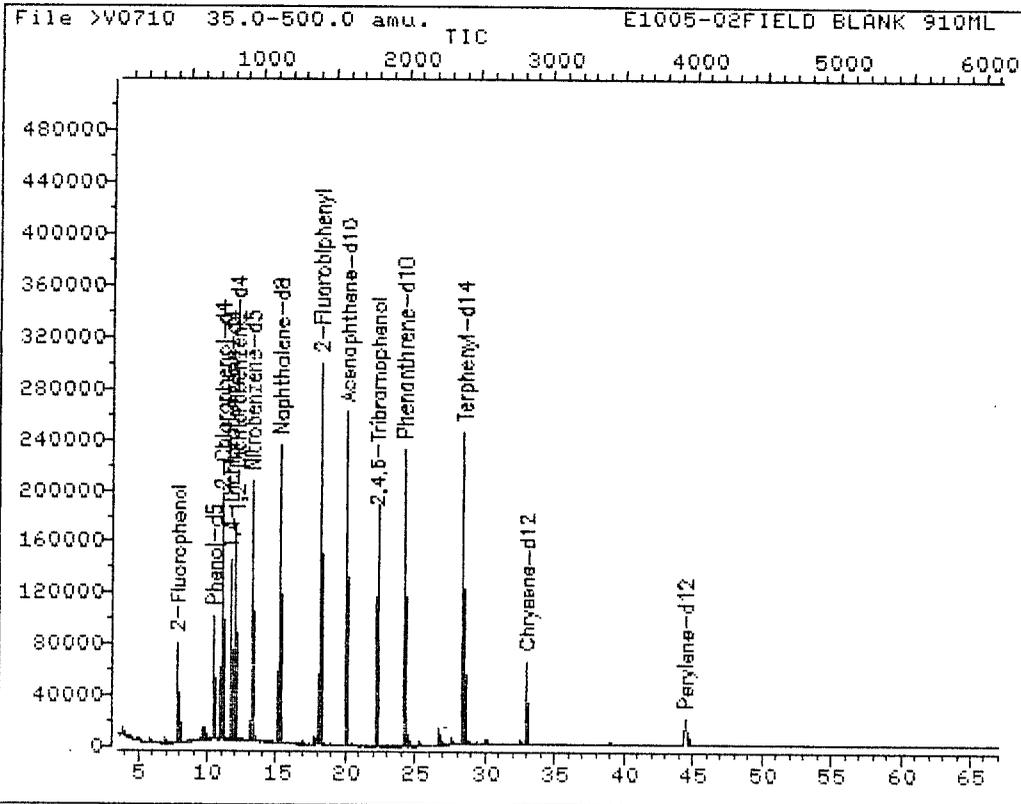
ID File: CLPSEM::SC  
 Title: CLP SEMIVOLATILES  
 Last Calibration: 930806 16:07

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

CAS NO. COMPOUND CONCENTRATION UNITS: ug/L or ug/Kg ug/Kg Q

|           |                        |  |      |
|-----------|------------------------|--|------|
| 56-55-3   | Benzo(a)anthracene     |  | 38 U |
| 1218-01-9 | Chrysene               |  | 38 U |
| 205-99-2  | Benzo(b)fluoranthene   |  | 38 U |
| 7-08-9    | Benzo(k)fluoranthene   |  | 38 U |
| 60-32-8   | 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  
 Output File: ^V0607::A5  
 Data File: >V0607::A0  
 Name: E1005-02  
 Misc: 1A 50.330G 1ML

Quant Rev: 7 Quant Time: 941006 17:35  
 Injected at: 941006 16:20  
 Dilution Factor: 1.00000  
 Instrument ID: MACH-2  
 BTL# 8

ID File: CLPSEM::SC  
 Title: CLP SEMIVOLATILES  
 Last Calibration: 930806 16:07

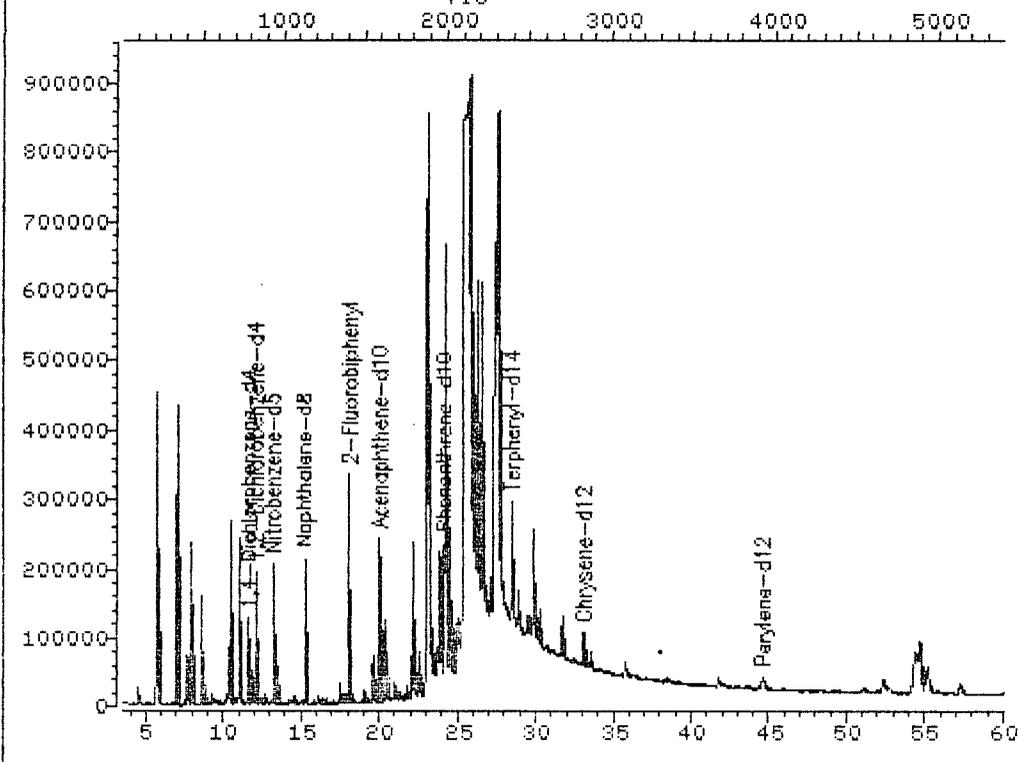
Last Qcal Time: 941006 09:37

| 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

File >V0607 35.0-500.0 amu. TIC E1005-021A 50.3306 1ML



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

| CAS NO.       | COMPOUND               | CONCENTRATION UNITS:<br>(ug/L or ug/Kg) | 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  |   |

0230

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

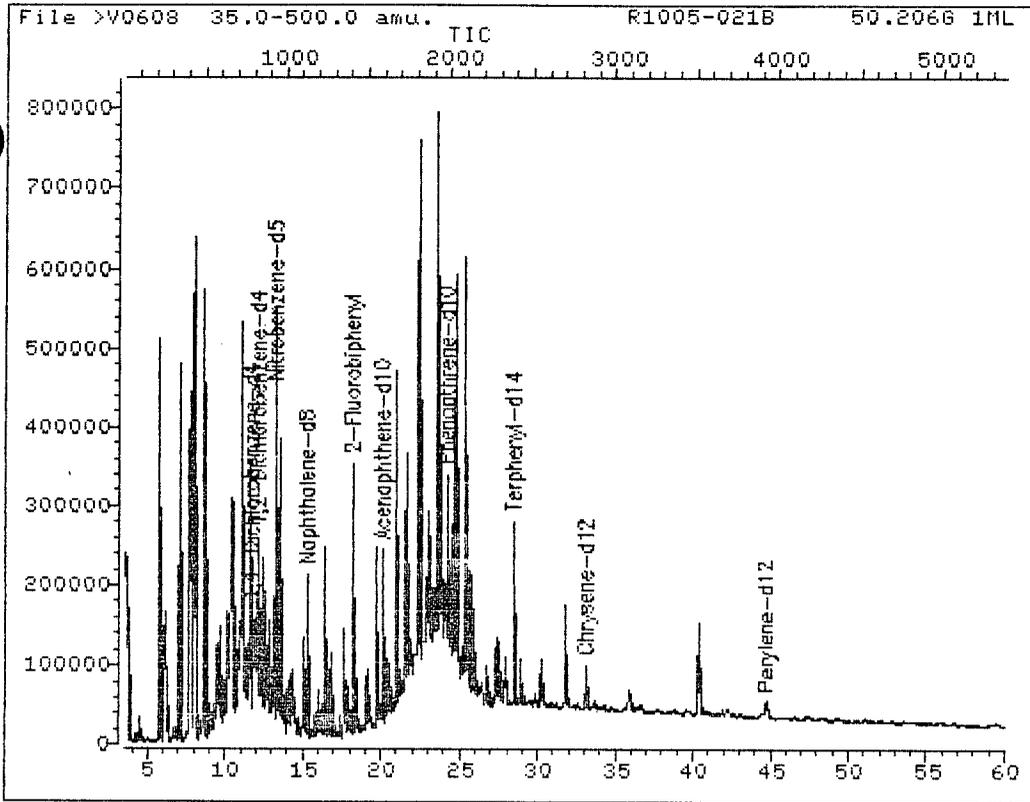
ID File: CLPSEM::SC  
Title: CLP SEMIVOLATILES  
Last Calibration: 930806 16:07

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/Kg Q

(ug/L or ug/Kg)

|          |                              |     |   |
|----------|------------------------------|-----|---|
| 108-95-2 | Phenol                       | 272 | U |
| 111-44-4 | bis(2-Chloroethyl)ether      | 272 | U |
| 95-57-8  | 2-Chlorophenol               | 272 | U |
| 41-73-1  | 1,3-Dichlorobenzene          | 272 | U |
| 96-46-7  | 1,4-Dichlorobenzene          | 272 | U |
| 195-50-1 | 1,2-Dichlorobenzene          | 526 | I |
| 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 |
| 187-68-3 | 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 |
| 906-20-2 | 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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  |            | 3666IJ |
| 2.          | UNKNOWN HYDROCARBON            | 7.05  |            | 1743IJ |
| 3.          | AROMATIC HYDROCARBON           | 8.58  |            | 1715IJ |
| 4.          | ALKYL SUBSTITUTED HYDROCARBON  | 9.62  |            | 539IJ  |
| 5. 556-67-2 | OCTAMETHYL-CYCLOTETRAILOXANE   | 10.29 |            | 506IJ  |
| 6.          | ALKYL SUBSTITUTED HYDROCARBON  | 11.04 |            | 2472IJ |
| 7.          | ALKYL SUBSTITUTED HYDROCARBON  | 11.52 |            | 942IJ  |
| 8.          | ALKYL SUBSTITUTED HYDROCARBON  | 11.97 |            | 515IJ  |
| 9.          | ALKYL SUBSTITUTED AROMATIC     | 12.33 |            | 541IJ  |
| 10.         | ALKYL SUBSTITUTED AROMATIC     | 12.43 |            | 694IJ  |
| 11. 541-2-6 | IDECAMETHYL-CYCLOPENTASILOXANE | 13.48 |            | 1058IJ |
| 12.         | ALKYL SUBSTITUTED HYDROCARBON  | 19.63 |            | 528IJ  |
| 13.         | ALKYL SUBSTITUTED HYDROCARBON  | 20.99 |            | 1167IJ |
| 14.         | ALKYL SUBSTITUTED HYDROCARBON  | 21.58 |            | 877IJ  |
| 15.         | UNKNOWN HYDROCARBON            | 22.27 |            | 2169IJ |
| 16.         | UNKNOWN HYDROCARBON            | 23.47 |            | 2108IJ |
| 17.         | UNKNOWN HYDROCARBON            | 23.55 |            | 1110IJ |
| 18.         | UNKNOWN HYDROCARBON            | 24.61 |            | 1311IJ |
| 19.         | ALKYL SUBSTITUTED ALCOHOL      | 31.68 |            | 925IJ  |
| 20.         | UNKNOWN HYDROCARBON            | 40.30 |            | 2137IJ |
| 21.         |                                |       |            |        |
| 22.         |                                |       |            |        |
| 23.         |                                |       |            |        |
| 24.         |                                |       |            |        |
| 25.         |                                |       |            |        |
| 26.         |                                |       |            |        |
| 27.         |                                |       |            |        |
| 28.         |                                |       |            |        |
| 29.         |                                |       |            |        |
| 30.         |                                |       |            |        |

## QUANT REPORT

Page 1

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

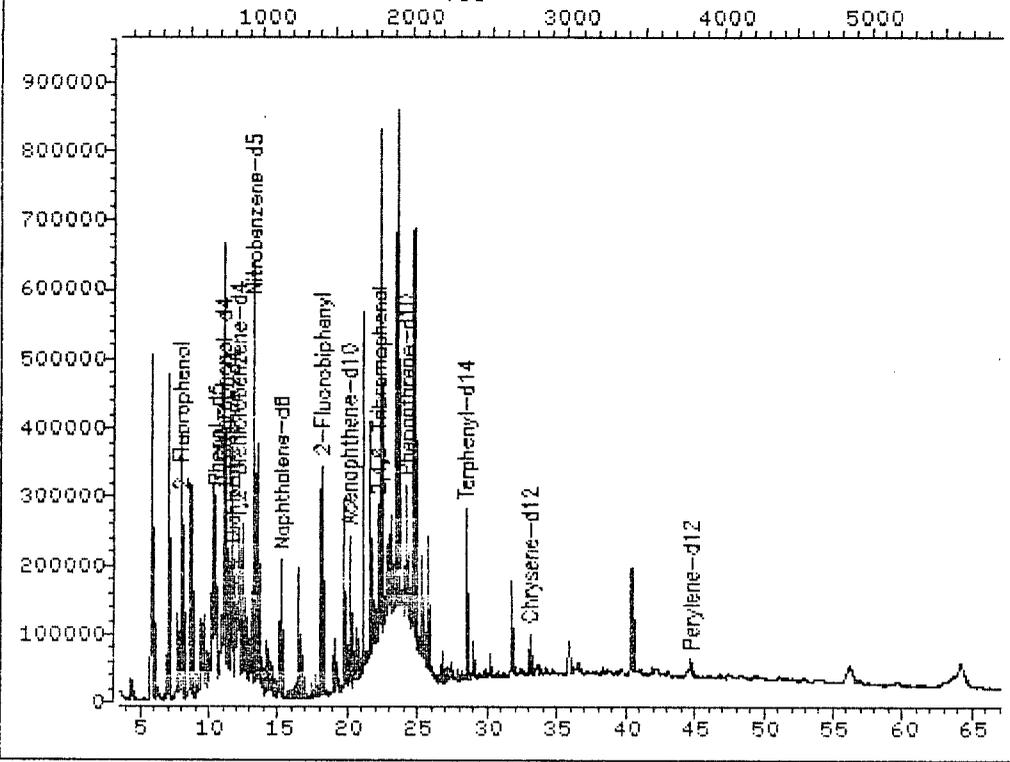
|     | Compound                   | R.T.  | Q ion | Area   | Conc  | Units | q  |
|-----|----------------------------|-------|-------|--------|-------|-------|----|
| 1)  | *1,4-Dichlorobenzene-d4    | 11.61 | 152.0 | 50312  | 20.00 | UG/ML | 63 |
| 2)  | 2-Fluorophenol             | 7.90  | 112.0 | 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

0236

TOTAL ION CHROMATOGRAM

File >V0610 35.0-500.0 amu. TIC E1005-021C 50.280G 1ML



Data File: >V0610  
 Name: E1005-02  
 Misc: 1C 50.280G 1ML

Quant Output File: ^V0610::A5  
 Instrument ID: MACH-2

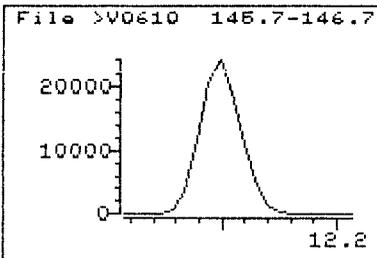
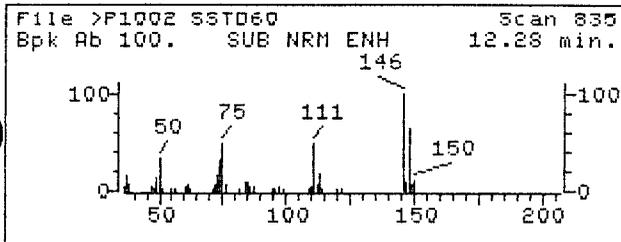
BTL#11

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 Title: CLP SEMIVOLATILES  
 Last Calibration: 930806 16:07

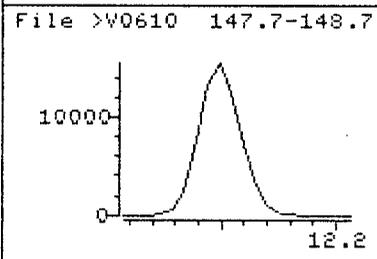
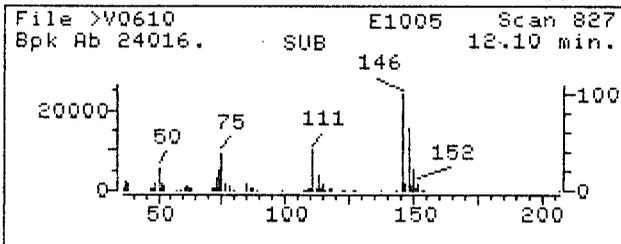
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Operator ID: ANDY  
 Quant Time : 941006 20:45  
 Injected at: 941006 19:37

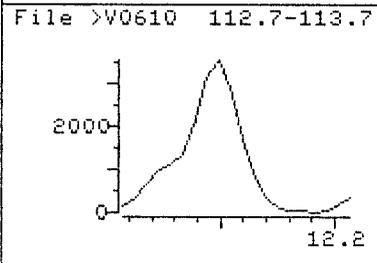
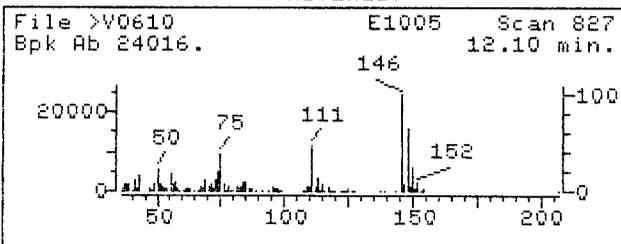
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SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

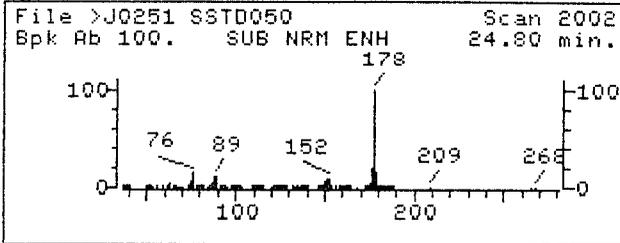


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Injected at: 941006 19:37  
Last Qcal Time: 941006 09:37

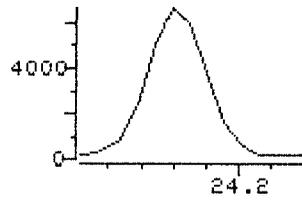
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Instrument ID: MACH-2  
BTL#11  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

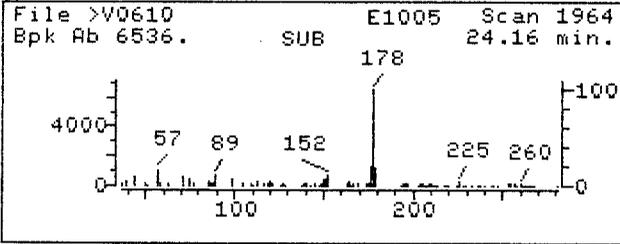
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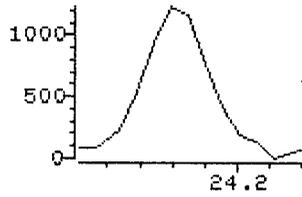
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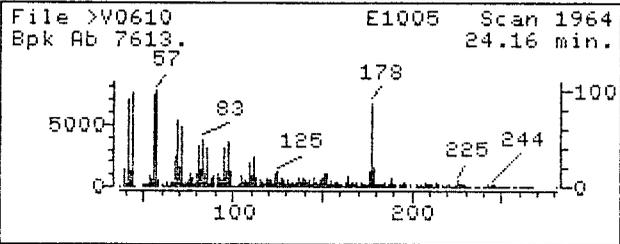
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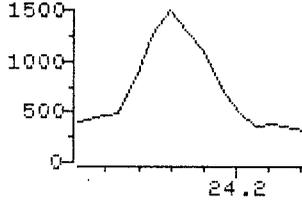
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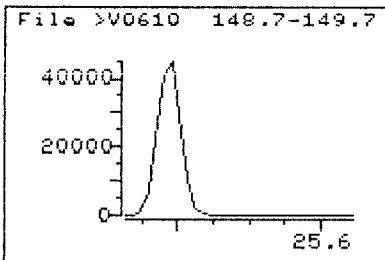
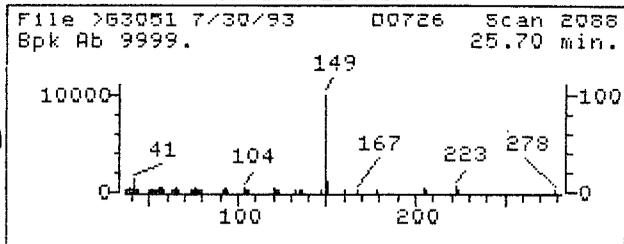


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Injected at: 941006 19:37  
Last Qcal Time: 941006 09:37

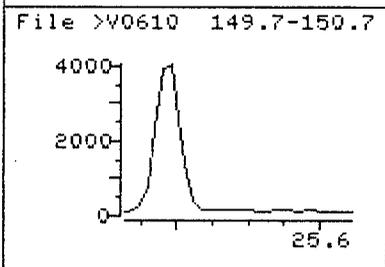
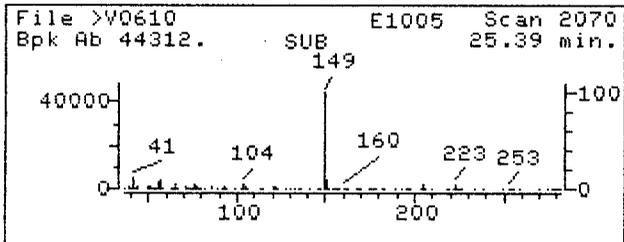
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Instrument ID: MACH-2  
BTL#11  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

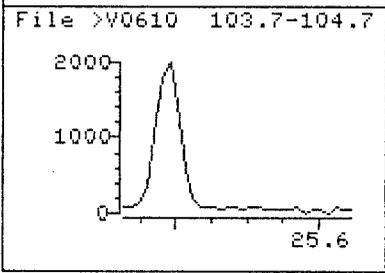
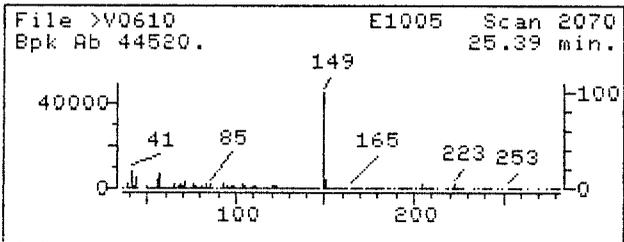
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SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

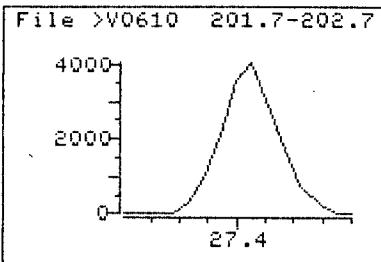
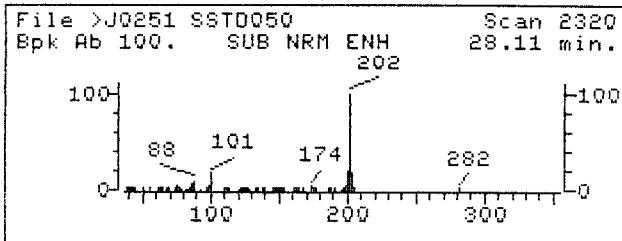


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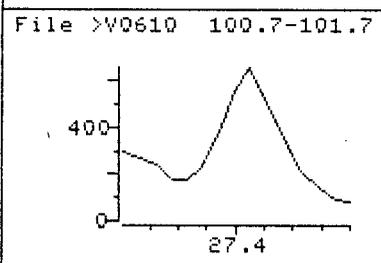
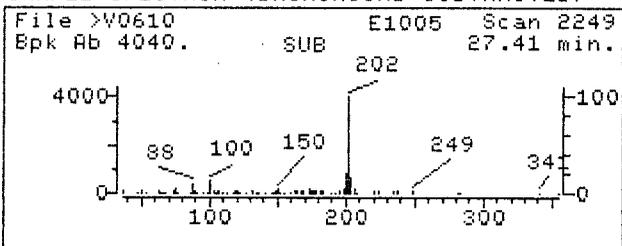
Quant Output File: ^V0610::A5  
Instrument ID: MACH-2  
BTL#11  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

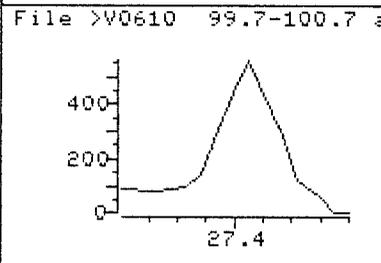
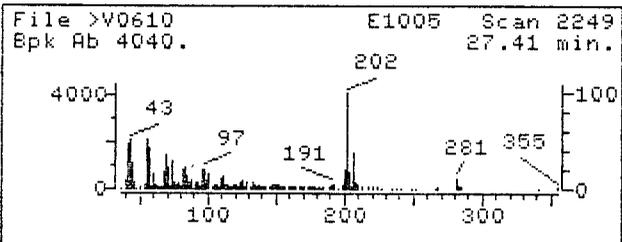
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

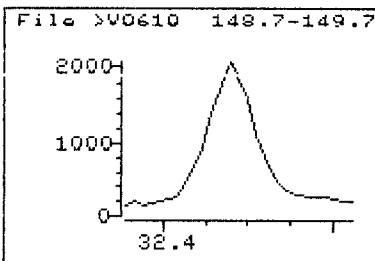
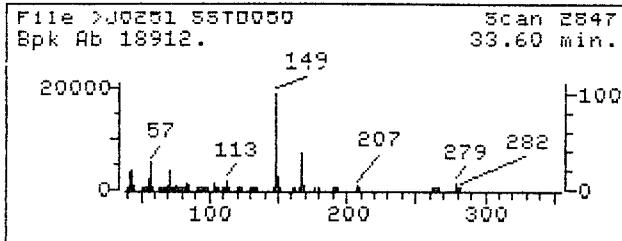


Data File: >V0610  
Name: E1005-02  
Misc: 1C 50.280G 1ML  
Quant Time: 941006 20:45  
Injected at: 941006 19:37  
Last Qcal Time: 941006 09:37

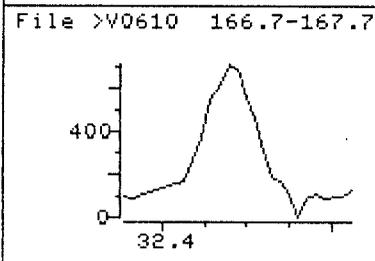
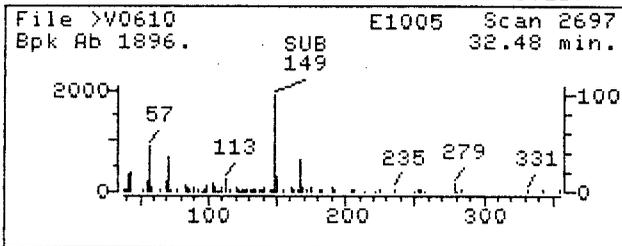
Quant Output File: ^V0610::A5  
Instrument ID: MACH-2  
BTL#11  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

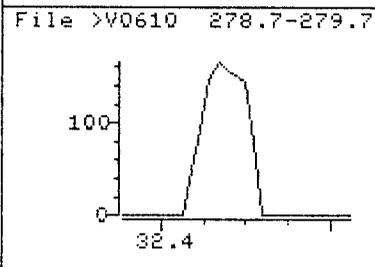
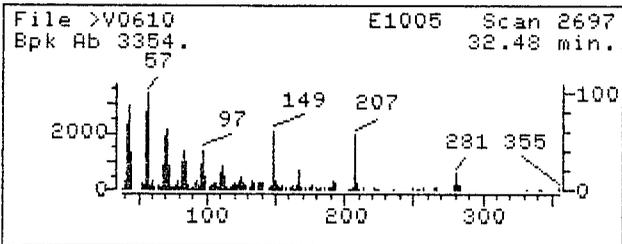
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

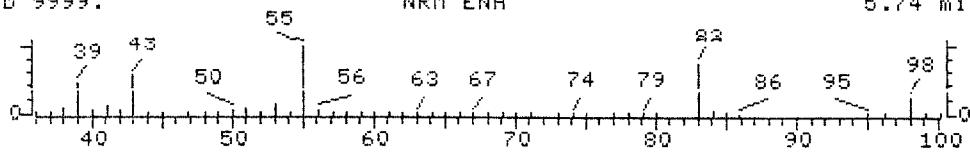


Data File: >V0610  
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Misc: 1C 50.280G 1ML  
Quant Time: 941006 20:45  
Injected at: 941006 19:37  
Last Qcal Time: 941006 09:37

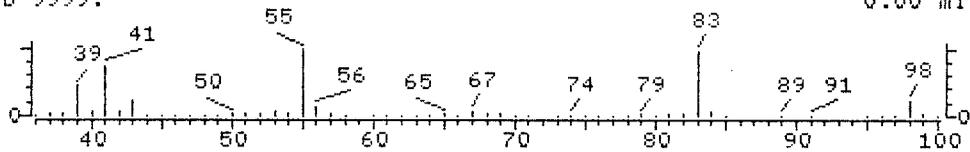
Quant Output File: ^V0610::A5  
Instrument ID: MACH-2  
BTL#11  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

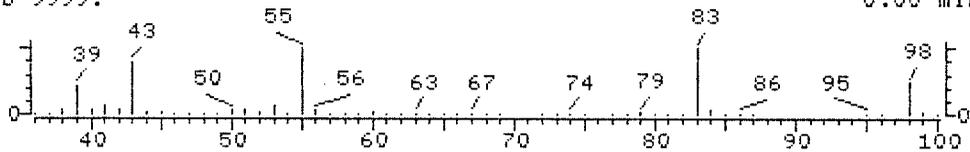
File >V0610 E1005-0210 50.2806 1ML Scan 217  
Bpk Ab 9999. NRM ENH 5.74 min.



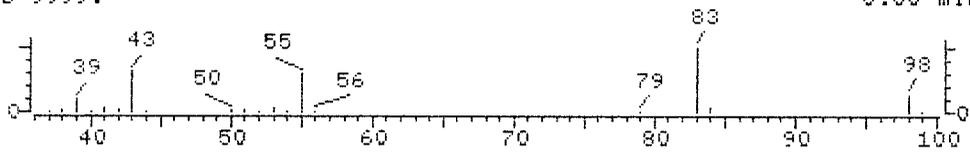
File >BIGDB Cyclopropane, 1,1,2,2-tetramethyl- (8CI9CI) Scan 5593  
Bpk Ab 9999. 0.00 min.



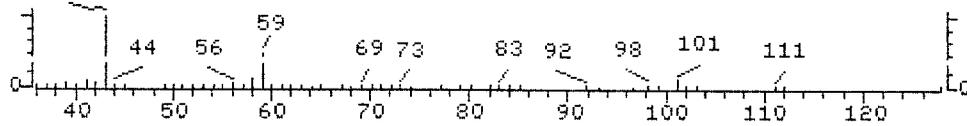
File >BIGDB 3-Penten-2-one, 4-methyl- (8CI9CI) Scan 8486  
Bpk Ab 9999. 0.00 min.



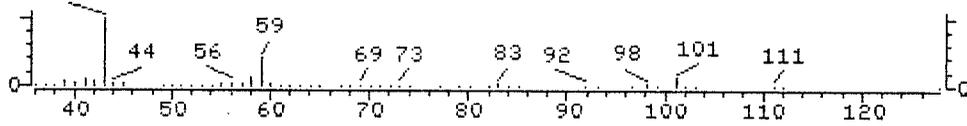
File >BIGDB 3-Hexen-2-one (8CI9CI) Scan 5591  
Bpk Ab 9999. 0.00 min.



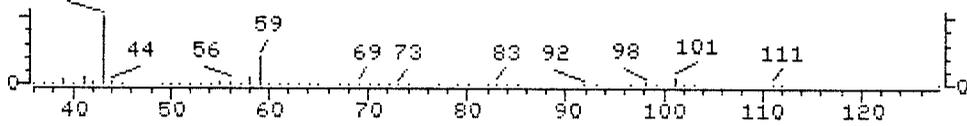
File >V0610 E1005-0210 50.2806 1ML Scan 343  
Bpk Ab 9999. NRM ENH 7.05 min.



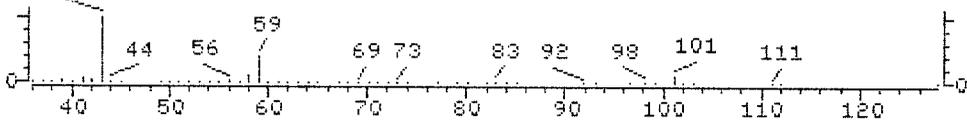
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Bpk Ab 9999. NRM ENH 7.05 min.



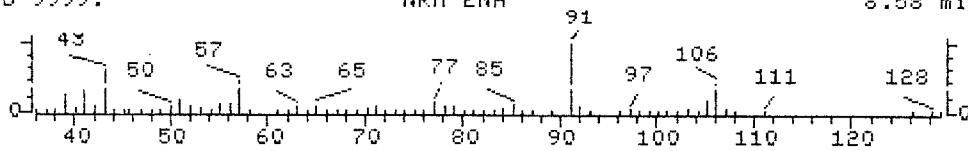
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Bpk Ab 9999. NRM ENH 7.05 min.



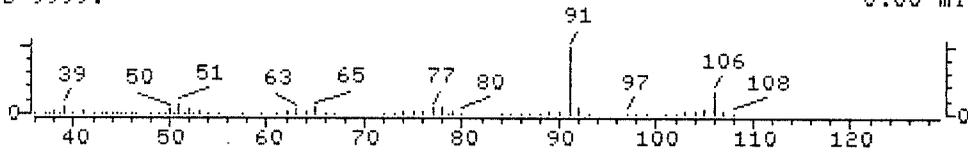
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Bpk Ab 9999. NRM ENH 7.05 min.



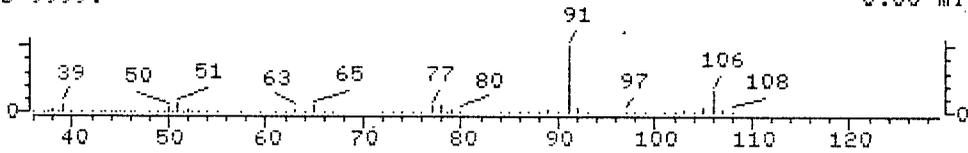
File >V0610 E1005-021C 50.2906 1ML Scan 490  
Bpk Ab 9999. NRM ENH 8.58 min.



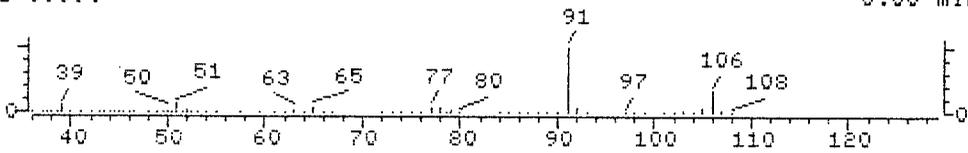
File PRIPOL Benzene, ethyl- Scan 67  
Bpk Ab 9999. 0.00 min.



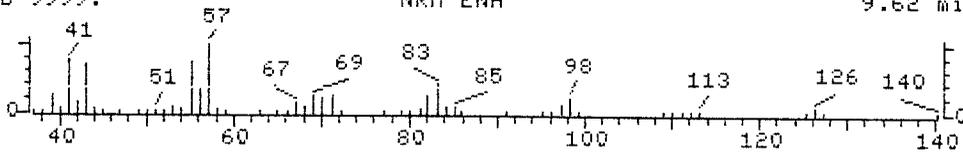
File PRIPOL Benzene, ethyl- Scan 67  
Bpk Ab 9999. 0.00 min.



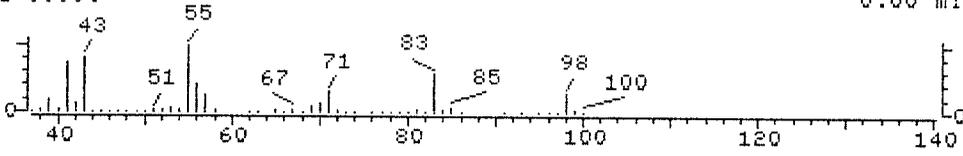
File PRIPOL Benzene, ethyl- Scan 67  
Bpk Ab 9999. 0.00 min.



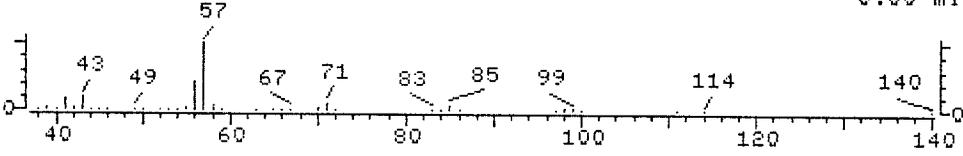
File >V0610 E1005-021C 50.2806 1ML Scan 590  
Bpk Ab 9999. NRM ENH 9.62 min.



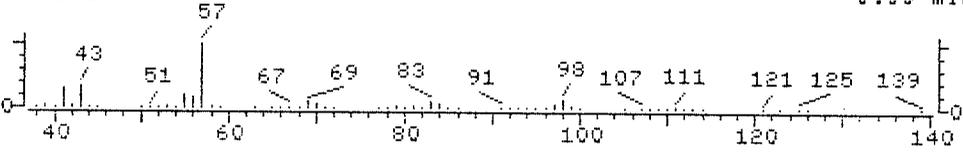
File >BIGDB Cyclopropane, 1,1,2,3-tetramethyl- (9CI) Scan 8532  
Bpk Ab 9999. 0.00 min.



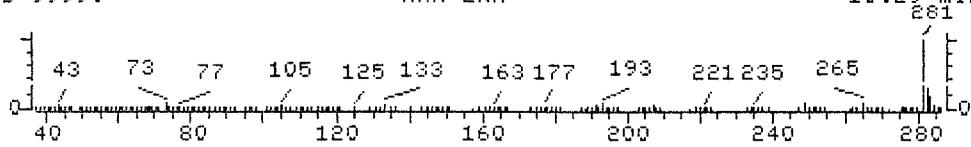
File >BIGDB Octane, 2,2,6-trimethyl- (9CI) Scan 1027  
Bpk Ab 9999. 0.00 min.



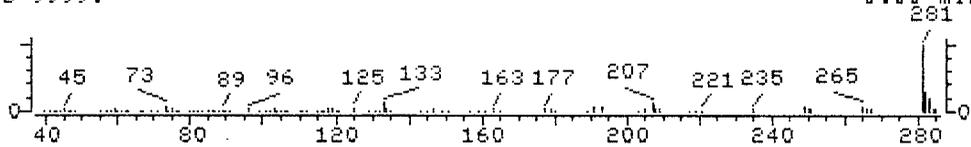
File >BIGDB 1-Octyn-3-ol, 4-ethyl- (8CI9CI) Scan 8509  
Bpk Ab 9999. 0.00 min.



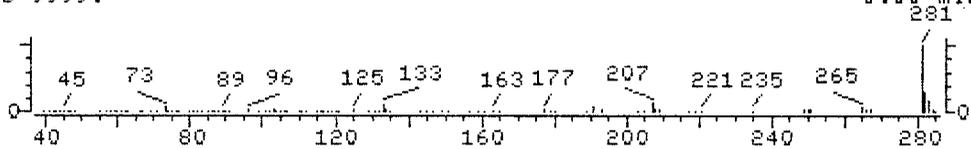
File >VQ610 E1005-0210 50.28061ML Scan 654  
Bpk Ab 9999. NRM ENH 10.29 min.



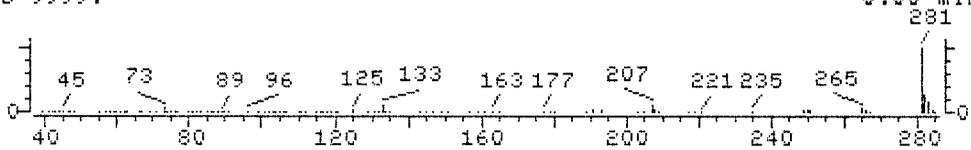
File >BIGDB Cyclotetrasiloxane, octamethyl- (8CI9CI) Scan 32181  
Bpk Ab 9999. 0.00 min.



File >BIGDB Cyclotetrasiloxane, octamethyl- (8CI9CI) Scan 32181  
Bpk Ab 9999. 0.00 min.

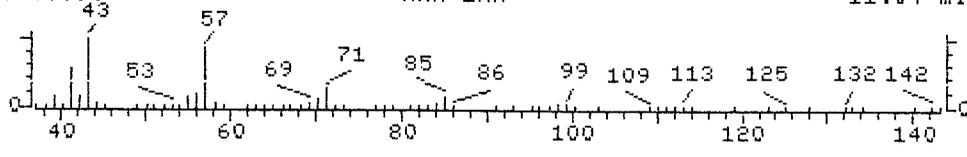


File >BIGDB Cyclotetrasiloxane, octamethyl- (8CI9CI) Scan 32181  
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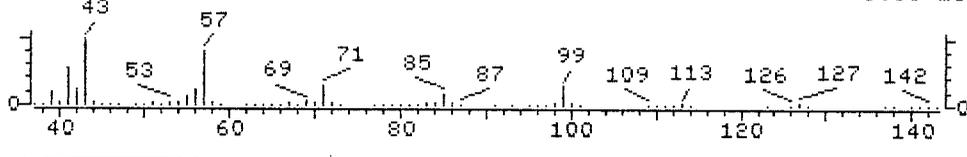


0247

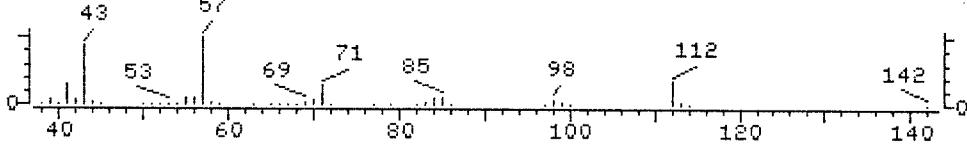
File >V0610 E1005-021C 50.2806 1ML Scan 726  
Bpk Ab 9999 NRM ENH 11.04 min.



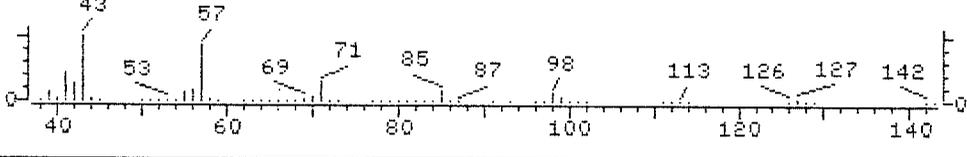
File >BIGDB Octane, 2,7-dimethyl- (8CI9CI) Scan 8726  
Bpk Ab 9999 0.00 min.



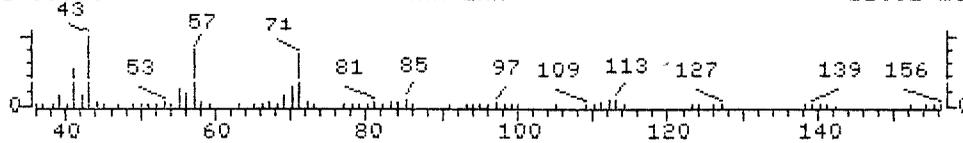
File >BIGDB Octane, 4-ethyl- (8CI9CI) Scan 10847  
Bpk Ab 9999 0.00 min.



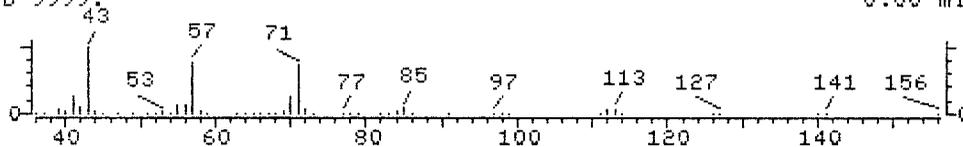
File >BIGDB Nonane, 2-methyl- (8CI9CI) Scan 8635  
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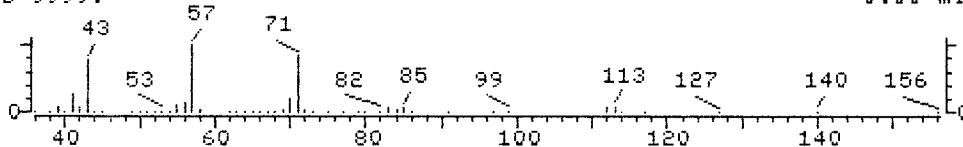
File >V0610 E1005-021C 50.2806 1ML Scan 772  
Bpk Ab 9999. NRM ENH 11.52 min.



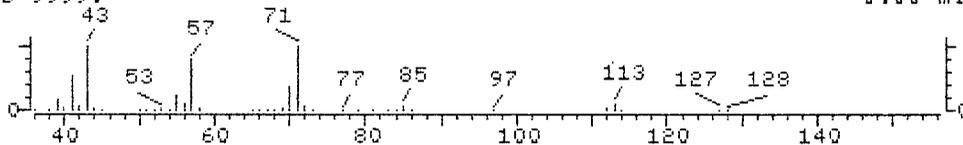
File >BIGDB Nonane, 2,6-dimethyl- (8CI9CI) Scan 3956  
Bpk Ab 9999. 0.00 min.



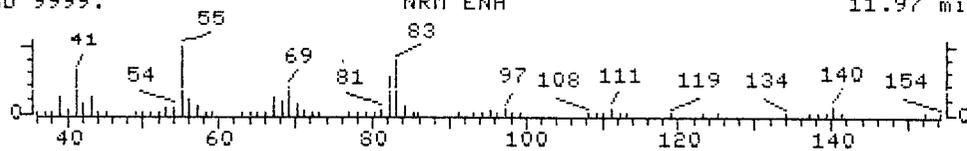
File >BIGDB Octane, 2,3,6-trimethyl- (9CI) Scan 3961  
Bpk Ab 9999. 0.00 min.



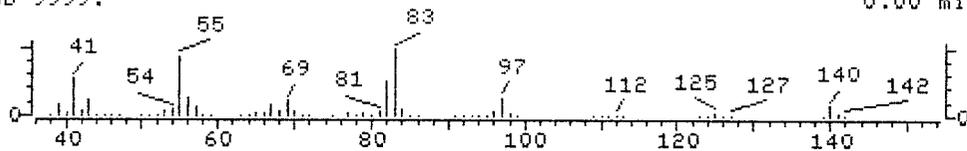
File >BIGDB Octane, 3,3-dimethyl- (8CI9CI) Scan 3949  
Bpk Ab 9999. 0.00 min.



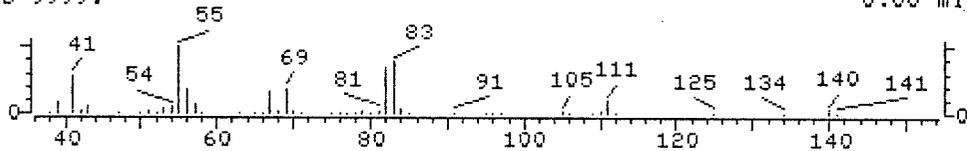
File >V0610 E1005-0210 50.2806 mL Scan 815  
Bpk Ab 9999. NRM ENH 11.97 min.



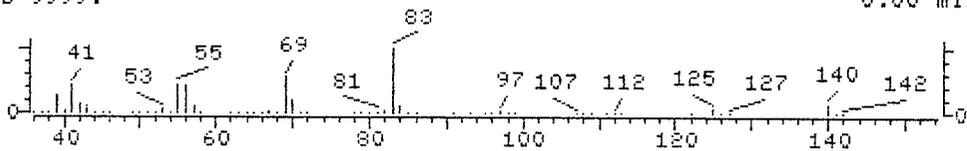
File >BIGDB Cyclohexane, (2-methylpropyl)- (9CI) Scan 5636  
Bpk Ab 9999. 0.00 min.



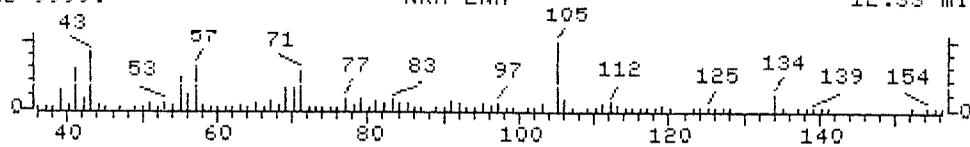
File >BIGDB Cyclohexane, (1-methylpropyl)- (9CI) Scan 5637  
Bpk Ab 9999. 0.00 min.



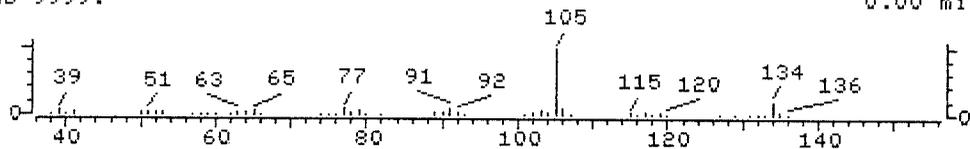
File >BIGDB Cyclohexanone, 3,3,5-trimethyl- (8CI9CI) Scan 5635  
Bpk Ab 9999. 0.00 min.



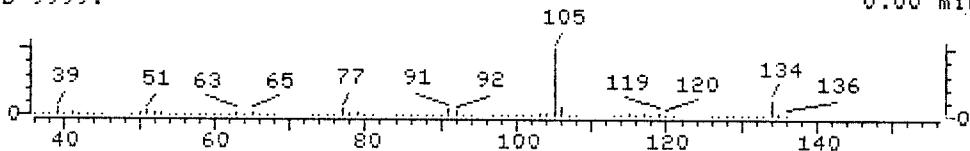
File >V0610 E1005-021C 50.2806 1ML Scan 849  
Bpk Ab 9999. NRM ENH 12.33 min.



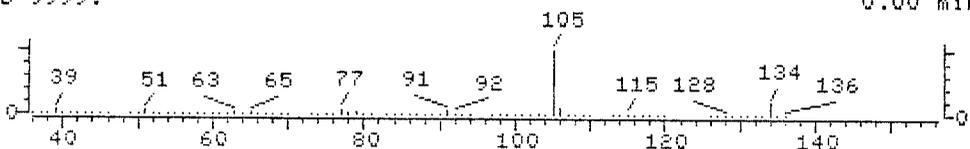
File >BIGDB Benzene, 1-methyl-2-propyl- (9CI) Scan 14463  
Bpk Ab 9999. 0.00 min.



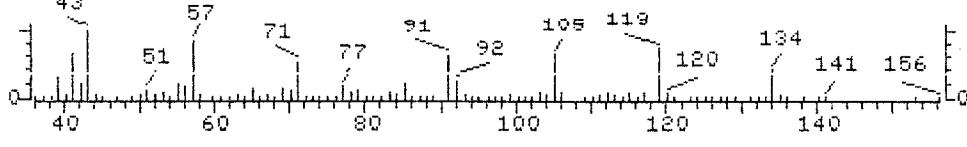
File >BIGDB Benzene, 1-methyl-3-propyl- (9CI) Scan 14464  
Bpk Ab 9999. 0.00 min.



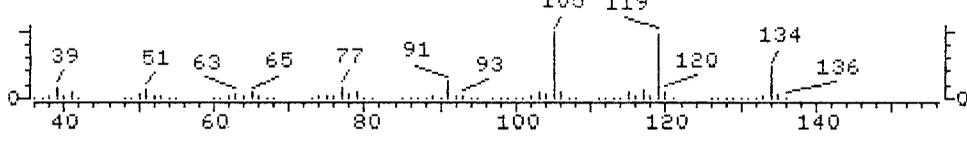
File >BIGDB Benzene, 1-methyl-4-propyl- (9CI) Scan 14465  
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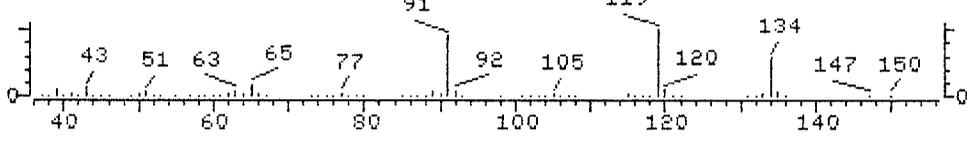
File >V0610 E1005-021C 50.2806 1ML Scan 859  
Bpk Ab 9999. NRM ENH 12.43 min.



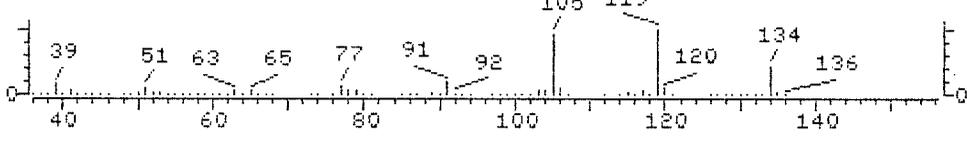
File >BIGDB Benzene, 1,2-diethyl- (9CI) Scan 14481  
Bpk Ab 9999. 0.00 min.



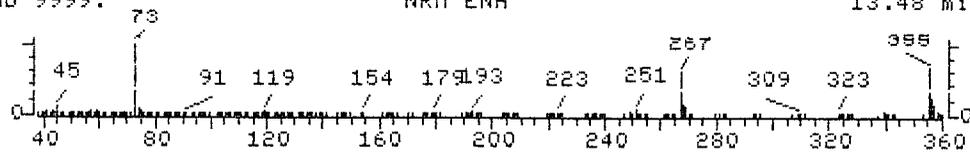
File >BIGDB Ethanone, 1-(2-methylphenyl)- (9CI) Scan 14486  
Bpk Ab 9999. 0.00 min.



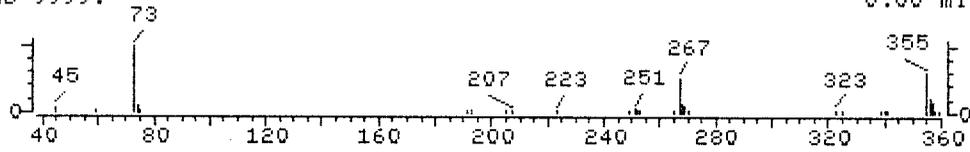
File >BIGDB Benzene, 1,3-diethyl- (9CI) Scan 14482  
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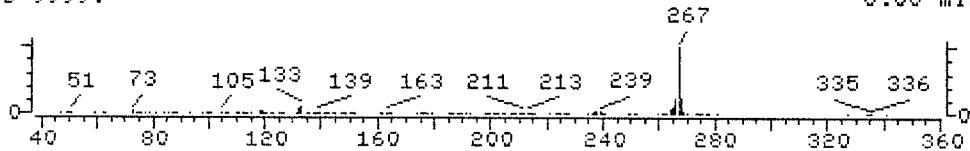
File >V0610 E1005-021C 50.2806 1ML Scan 959  
Bpk Ab 9999. NRM ENH 13.48 min.



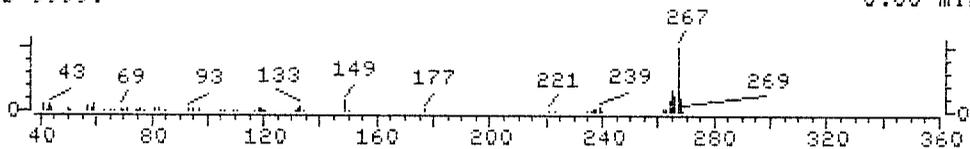
File >BIGDB Cyclopentasiloxane, decamethyl- (8C19C1) Scan 37074  
Bpk Ab 9999. 0.00 min.



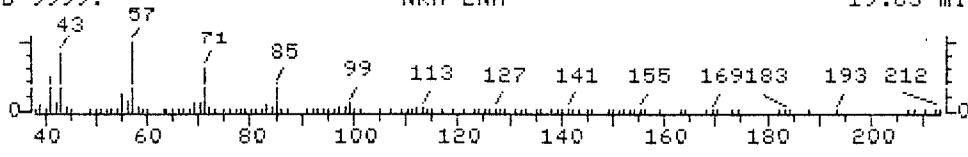
File >BIGDB 13H-Dibenzo[a,i]carbazole (8C19C1) Scan 30878  
Bpk Ab 9999. 0.00 min.



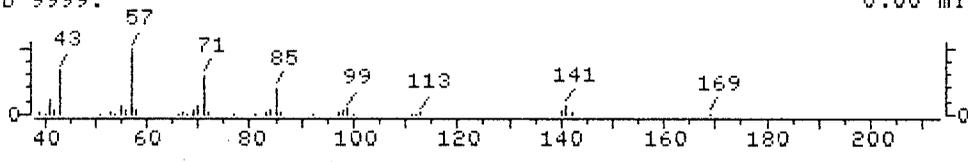
File >BIGDB 7H-Dibenzo[c,g]carbazole (8C19C1) Scan 30877  
Bpk Ab 9999. 0.00 min.



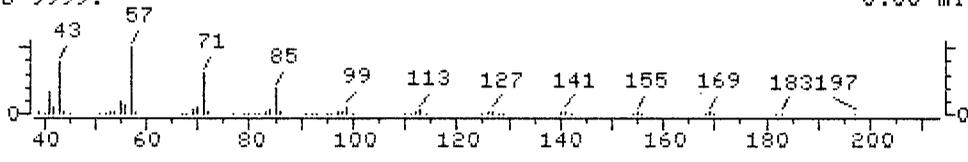
File >V0610 E1005-0210 50.2806 1ML Scan 1548  
Bpk Ab 9999. NRM ENH 19.63 min.



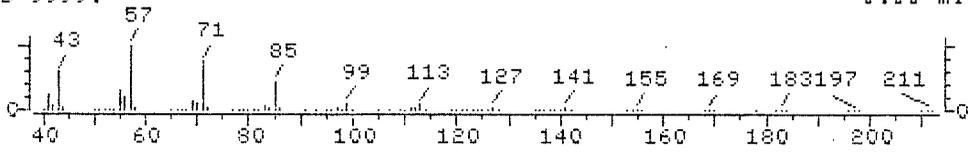
File >BIG08 Decane, 2,3,5-trimethyl- (9CI) Scan 6164  
Bpk Ab 9999. 0.00 min.



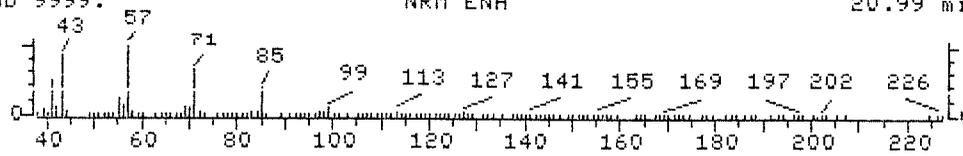
File >BIG08 Hexadecane (8CI9CI) Scan 6146  
Bpk Ab 9999. 0.00 min.



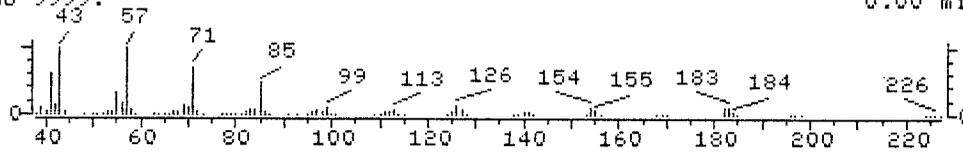
File >BIG08 Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161  
Bpk Ab 9999. 0.00 min.



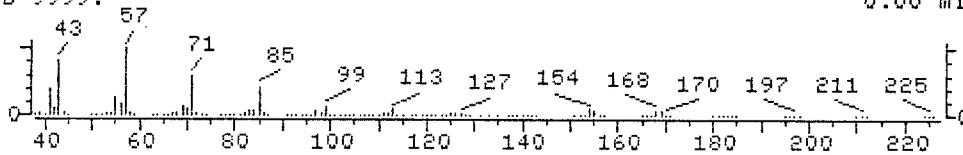
File >V0610 E1005-0210 50.2806 1ML Scan 1677  
Bpk Ab 9999. NRM ENH 20.99 min.



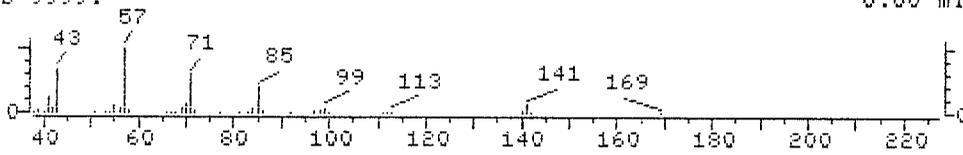
File >BIGDB Tridecane, 6-propyl- (9CI) Scan 6247  
Bpk Ab 9999. 0.00 min.



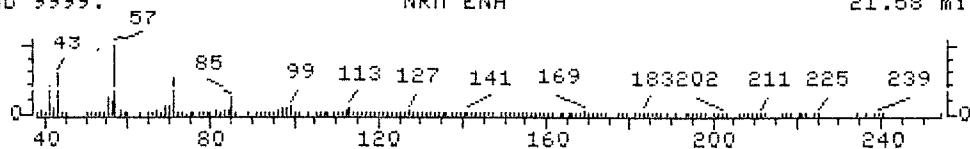
File >BIGDB Eicosane, 10-methyl- (9CI) Scan 6226  
Bpk Ab 9999. 0.00 min.



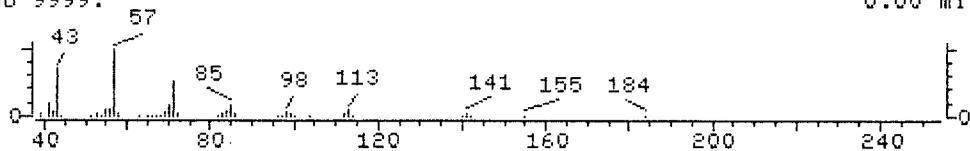
File >BIGDB Decane, 2,3,5-trimethyl- (9CI) Scan 6164  
Bpk Ab 9999. 0.00 min.



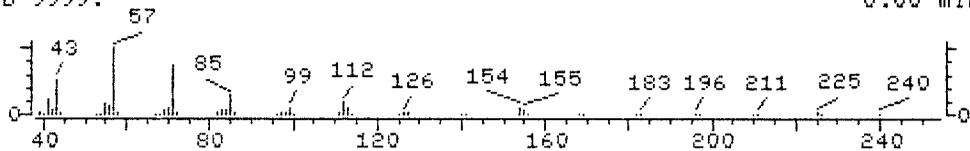
File >V0610 E1005-0210 50.2606 1ML Scan 1733  
Bpk Ab 9999. NRM ENH 21.58 min.



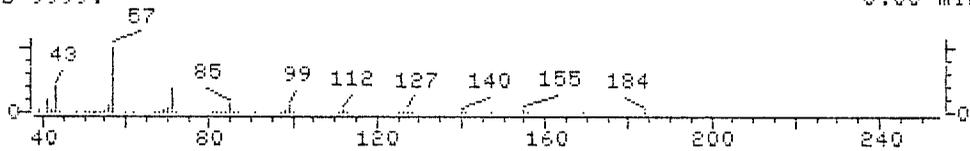
File >BIGDB Undecane, 4,6-dimethyl- (8CI) Scan 3957  
Bpk Ab 9999. 0.00 min.



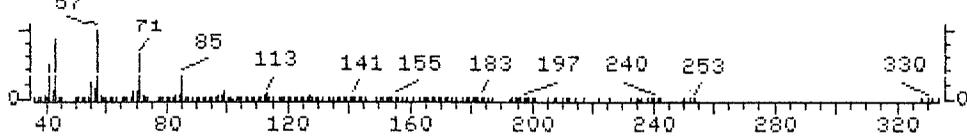
File >BIGDB Hexadecane, 7-methyl- (8CI9CI) Scan 4020  
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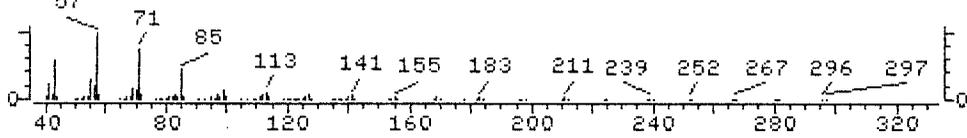
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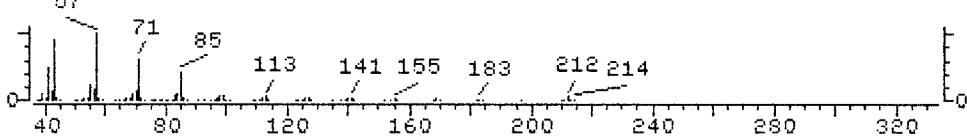
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Bpk Ab 9999. NRM ENH 22.27 min.



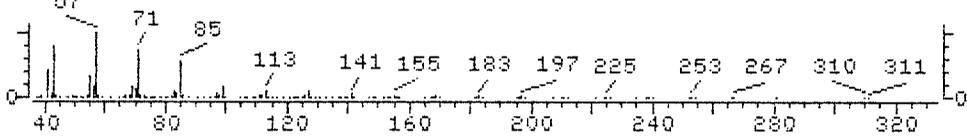
File >BIGDB Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161  
Bpk Ab 9999. 0.00 min.

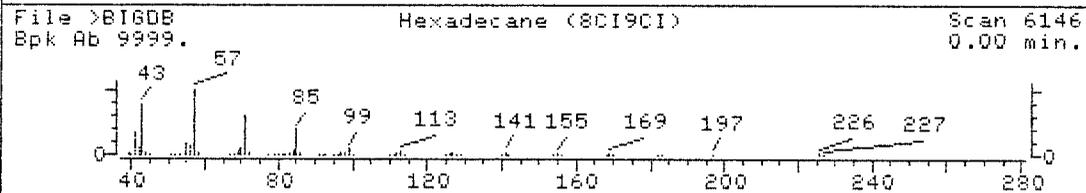
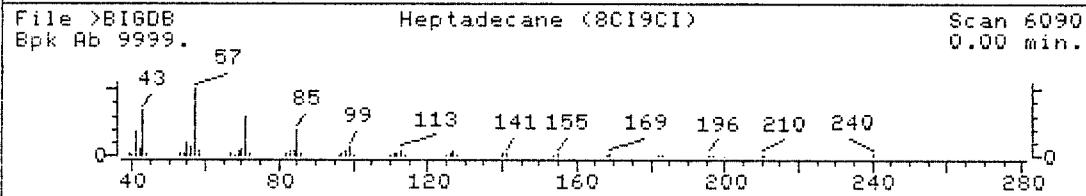
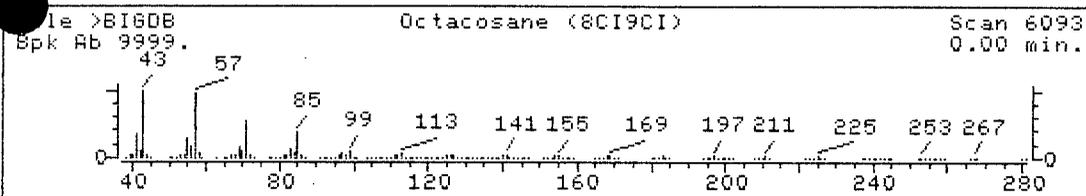
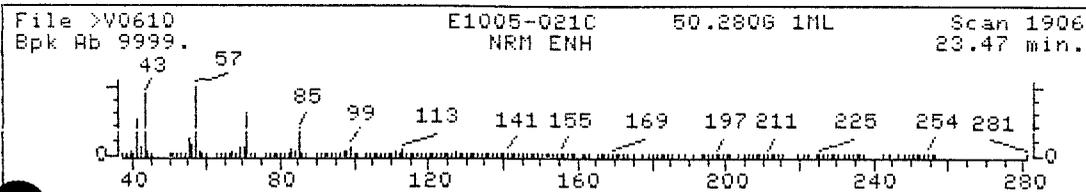


File >BIGDB Pentadecane (8CI9CI) Scan 6265  
Bpk Ab 9999. 0.00 min.

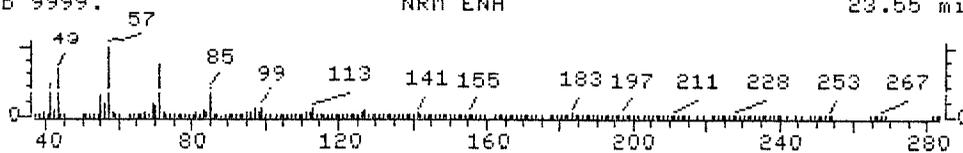


File >BIGDB Docosane (8CI9CI) Scan 6221  
Bpk Ab 9999. 0.00 min.

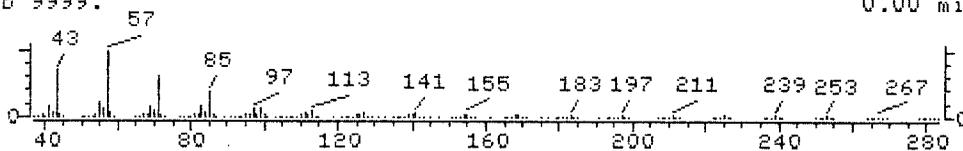




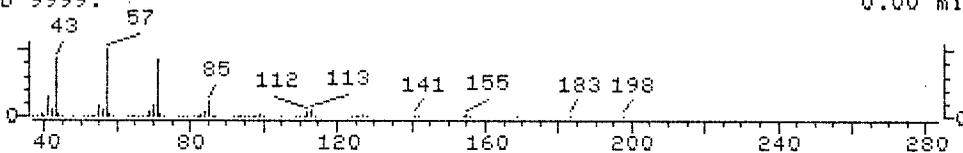
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Bpk Ab 9999. NRM ENH 23.55 min.



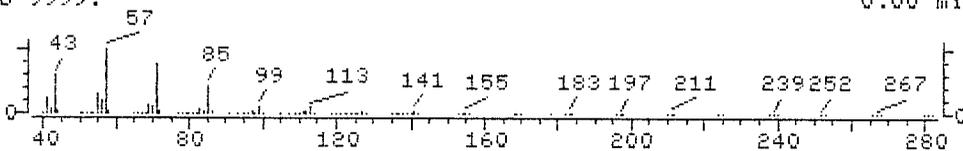
File >BIGDB Tetratetracontane (8CI9CI) Scan 8906  
Bpk Ab 9999. 0.00 min.



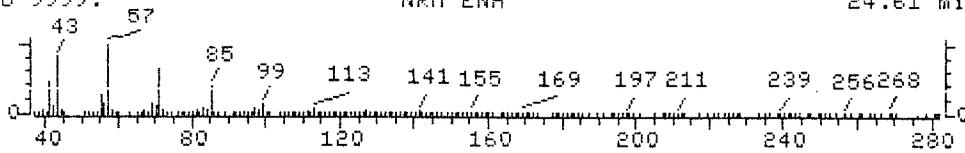
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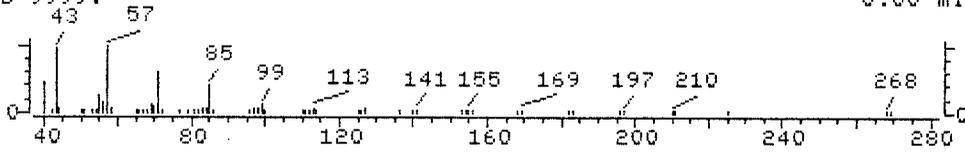
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Bpk Ab 9999. 0.00 min.



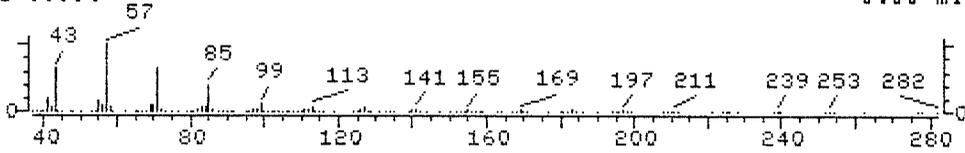
File >V0610 E1005-0210 50.2806 1ML Scan 2003  
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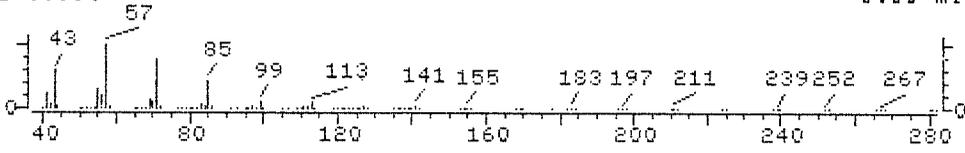
File >BIGDB Nonadecane (8CI9CI) Scan 6091  
Bpk Ab 9999. 0.00 min.



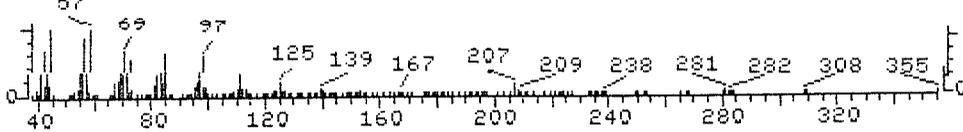
File >BIGDB Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene) Scan 6168  
Bpk Ab 9999. 0.00 min.



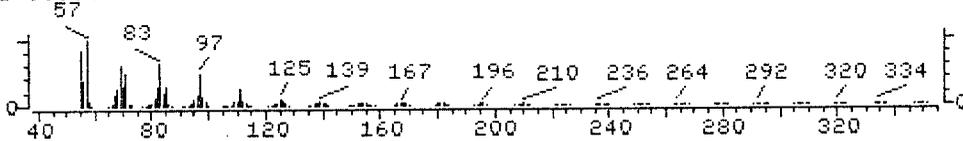
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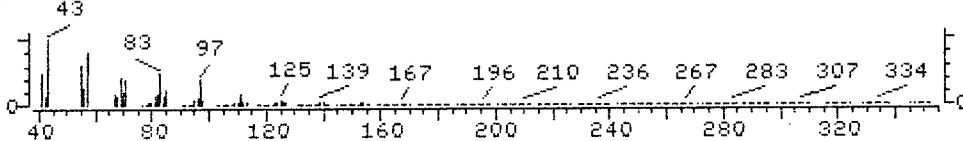
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Bpk Ab 9999. NRM ENH 31.68 min.



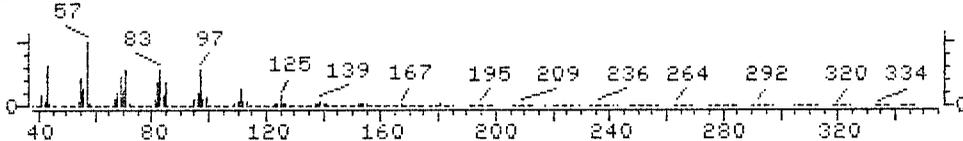
File >BIGDB 1-Dotriacontanol (8CI9CI) Scan 8333  
Bpk Ab 9999. 0.00 min.



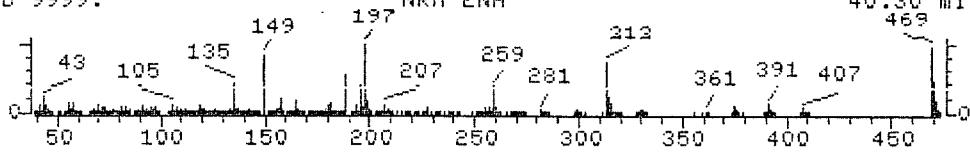
File >BIGDB 17-Pentatriacontene (8CI) Scan 8334  
Bpk Ab 9999. 0.00 min.



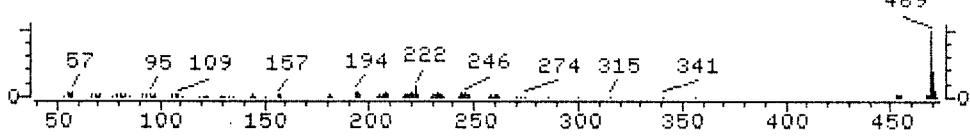
File >BIGDB 1-Hentetracontanol (9CI) Scan 8384  
Bpk Ab 9999. 0.00 min.



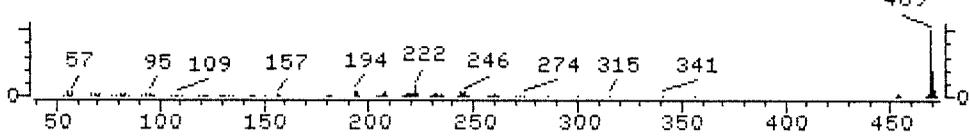
File >V0610 E1005-021C 50.2806 1ML Scan 3402  
Bpk Ab 9999. NRM ENH 40.30 min.



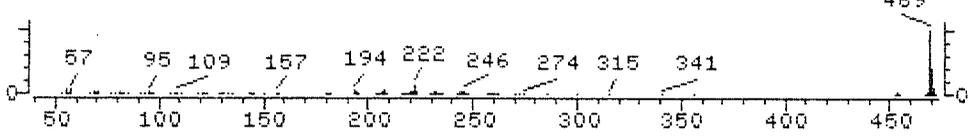
File >B16DB 1'H-Cholesta-2,4,6-trieno[3,2-b]indole, 1'-methyl Scan 40782  
Bpk Ab 9999. 0.00 min.



File >B16DB 1'H-Cholesta-2,4,6-trieno[3,2-b]indole, 1'-methyl Scan 40782  
Bpk Ab 9999. 0.00 min.



File >B16DB 1'H-Cholesta-2,4,6-trieno[3,2-b]indole, 1'-methyl Scan 40782  
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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |
| 1541-73-1 | 1,3-Dichlorobenzene          | 286 | U |
| 6-46-7    | 1,4-Dichlorobenzene          | 286 | U |
| 195-50-1  | 1,2-Dichlorobenzene          | 627 | I |
| 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 |
| 187-68-3  | 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 |
| 99-09-2   | 3-Nitroaniline               | 715 | U |
| 63-32-9   | 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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  |
| 150-32-8  | Benzo(a)pyrene             | 43  | U  |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 43  | U  |
| 153-70-3  | 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  |            | 3720IJ |
| 2.         | UNKNOWN HYDROCARBON                   | 7.06  |            | 1802J  |
| 3.         | AROMATIC HYDROCARBON                  | 8.59  |            | 1944IJ |
| 4.         | UNKNOWN HYDROCARBON                   | 9.63  |            | 571J   |
| 5.         | 556-67-2 OCTAMETHYL-CYCLOTETRAILOXANE | 10.28 |            | 551IJ  |
| 6.         | ALKYL SUBSTITUTED HYDROCARBON         | 11.05 |            | 2441J  |
| 7.         | ALKYL SUBSTITUTED HYDROCARBON         | 11.53 |            | 950IJ  |
| 8.         | ALKYL SUBSTITUTED AROMATIC            | 12.33 |            | 570J   |
| 9.         | ALKYL SUBSTITUTED AROMATIC            | 12.44 |            | 737IJ  |
| 10.        | 541-2-6 DECAMETHYL-CYCLOPENTASILOXANE | 13.48 |            | 1034J  |
| 11.        | ALKYL SUBSTITUTED HYDROCARBON         | 19.64 |            | 676IJ  |
| 12.        | ALKYL SUBSTITUTED HYDROCARBON         | 20.99 |            | 1507J  |
| 13.        | ALKYL SUBSTITUTED HYDROCARBON         | 21.58 |            | 1111IJ |
| 14.        | ALKYL SUBSTITUTED HYDROCARBON         | 22.28 |            | 1914J  |
| 15.        | UNKNOWN HYDROCARBON                   | 23.48 |            | 2023IJ |
| 16.        | UNKNOWN HYDROCARBON                   | 23.55 |            | 1175J  |
| 17.        | ALKYL SUBSTITUTED ALCOHOL             | 24.47 |            | 604IJ  |
| 18.        | UNKNOWN HYDROCARBON                   | 24.58 |            | 534J   |
| 19.        | ALKYL SUBSTITUTED ALCOHOL             | 31.68 |            | 1293IJ |
| 20.        | UNKNOWN HYDROCARBON                   | 40.32 |            | 1869J  |
| 21.        |                                       |       |            |        |
| 22.        |                                       |       |            |        |
| 23.        |                                       |       |            |        |
| 24.        |                                       |       |            |        |
| 25.        |                                       |       |            |        |
| 26.        |                                       |       |            |        |
| 27.        |                                       |       |            |        |
| 28.        |                                       |       |            |        |
| 29.        |                                       |       |            |        |
| 30.        |                                       |       |            |        |

## QUANT REPORT

Page 1

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

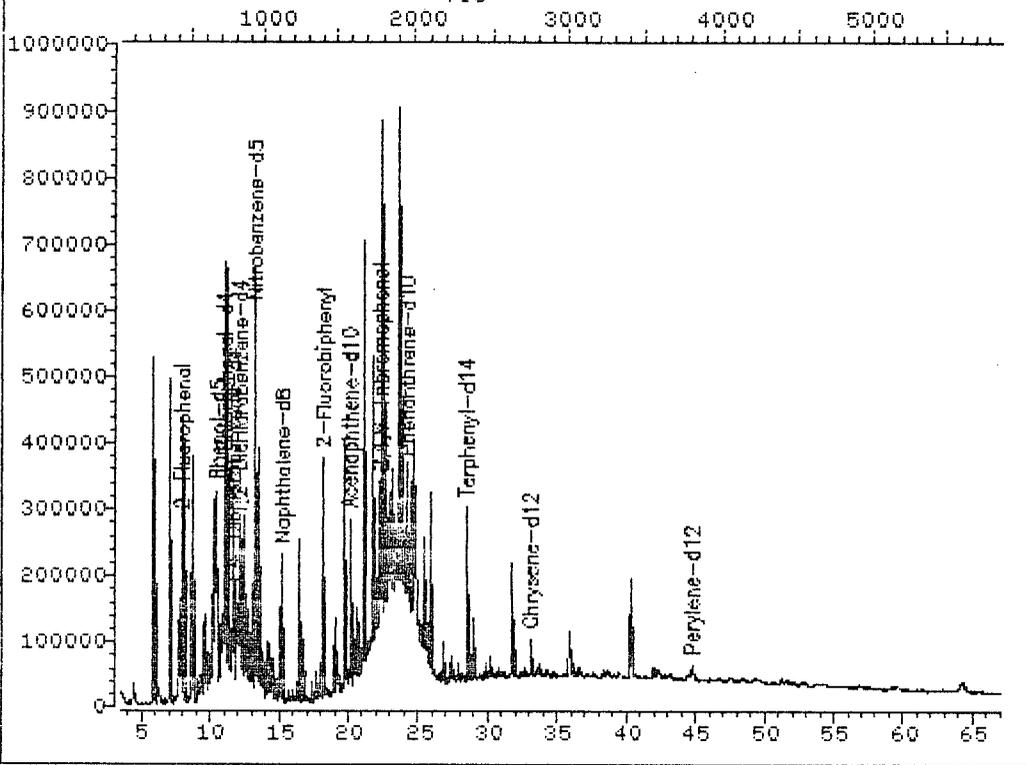
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|-----|-------------------------|-------|-------|--------|-------|-------|----|
| 1)  | *1,4-Dichlorobenzene-d4 | 11.61 | 152.0 | 56476  | 20.00 | UG/ML | 62 |
| 2)  | 2-Fluorophenol          | 7.91  | 112.0 | 127487 | 41.19 | UG/ML | 84 |
| 3)  | 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

0266

TOTAL ION CHROMATOGRAM

File >V0611 35.0-600.0 amu. TIC E1005-0210 50.6746 1ML



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 Misc: 1D 50.674G 1ML

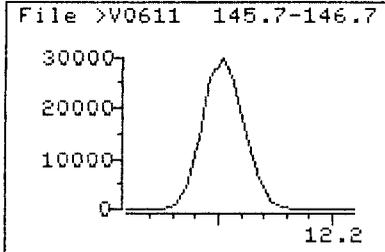
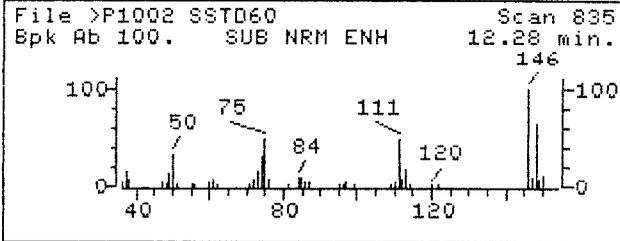
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 Instrument ID: MACH-2  
 BTL#12

Id File: CLPSEM::SC  
 Title: CLP SEMIVOLATILES  
 Last Calibration: 930806 16:07

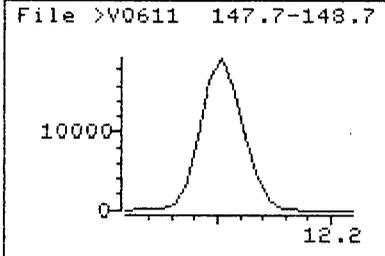
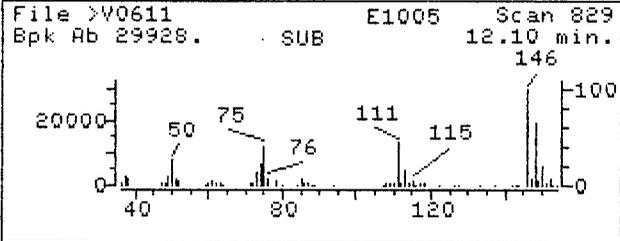
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 Quant Time : 941006 21:58  
 Injected at: 941006 20:50

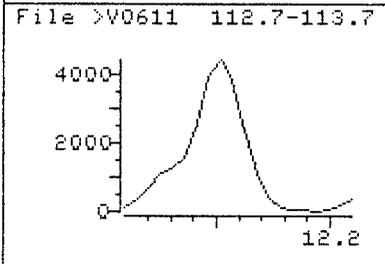
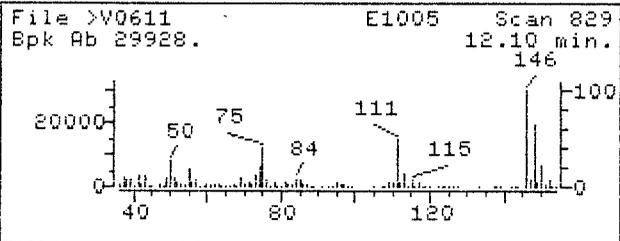
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

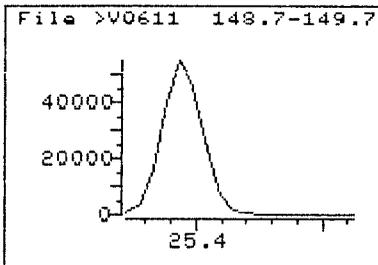
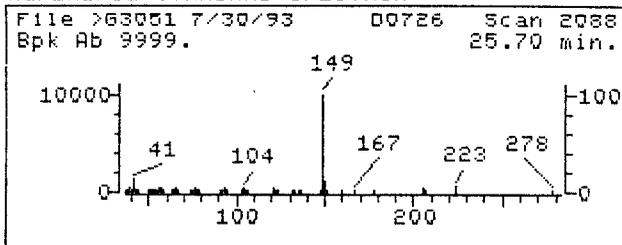


Data File: >V0611  
Name: E1005-02  
Misc: 1D 50.674G 1ML  
Quant Time: 941006 21:58  
Injected at: 941006 20:50  
Last Qcal Time: 941006 09:37

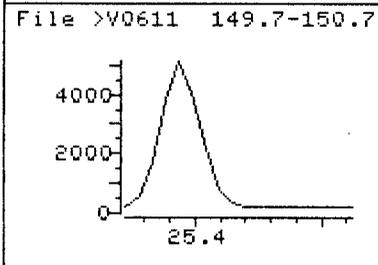
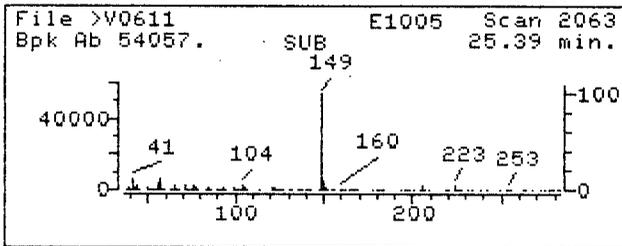
Quant Output File: ^V0611::A5  
Instrument ID: MACH-2  
BTL#12  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

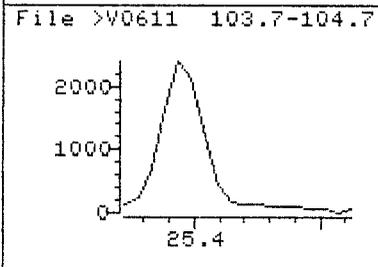
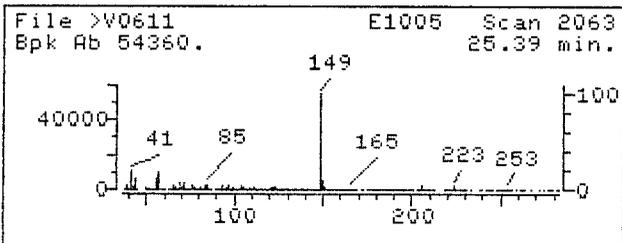
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

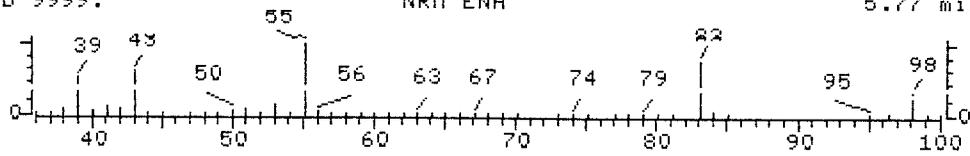


Data File: >V0611  
Name: E1005-02  
Misc: 1D 50.674G 1ML  
Quant Time: 941006 21:58  
Injected at: 941006 20:50  
Last Qcal Time: 941006 09:37

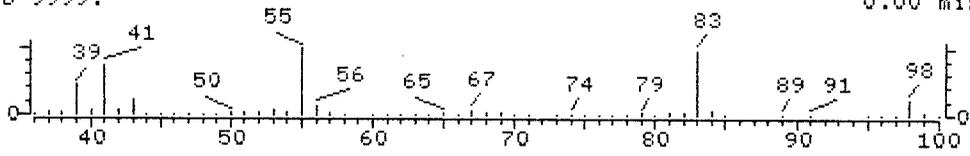
Quant Output File: ^V0611::A5  
Instrument ID: MACH-2  
BTL#12  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

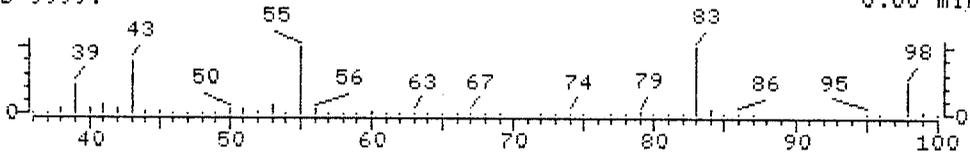
File >V0611 E1005-021D 50.6746 1ML Scan 222  
Bpk Ab 9999. NRM ENH 5.77 min.



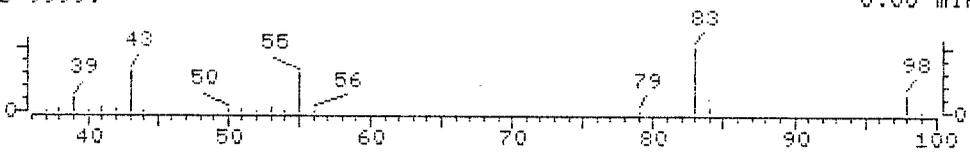
File >B16DB Cyclopropane, 1,1,2,2-tetramethyl- (8CI9CI) Scan 5593  
Bpk Ab 9999. 0.00 min.



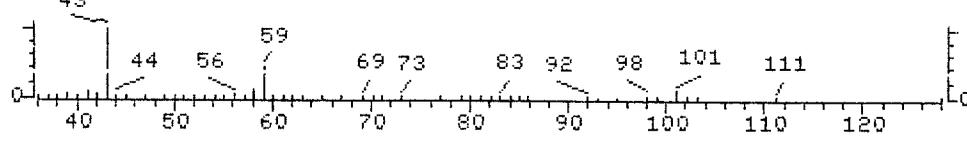
File >B16DB 3-Penten-2-one, 4-methyl- (8CI9CI) Scan 8486  
Bpk Ab 9999. 0.00 min.



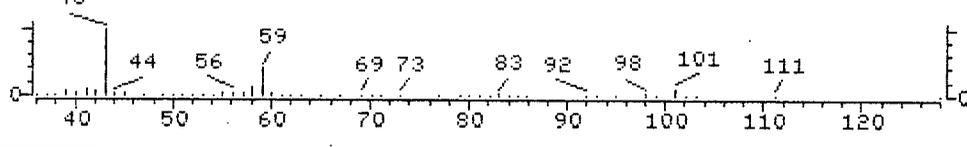
File >B16DB 3-Hexen-2-one (8CI9CI) Scan 5591  
Bpk Ab 9999. 0.00 min.



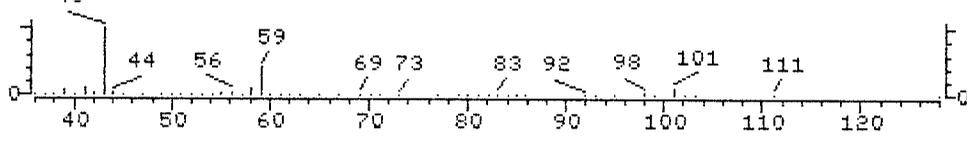
File >V0611 E1005-0210 50.6746 1ML Scan 346  
Bpk Ab 9999. NRM ENH 7.06 min.



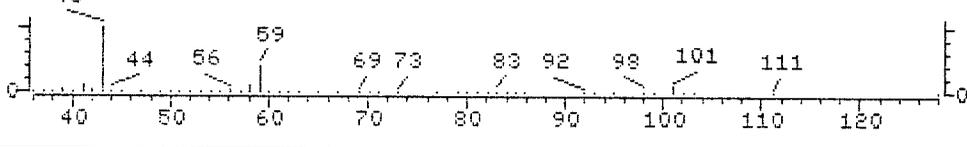
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Bpk Ab 9999. NRM ENH 7.06 min.



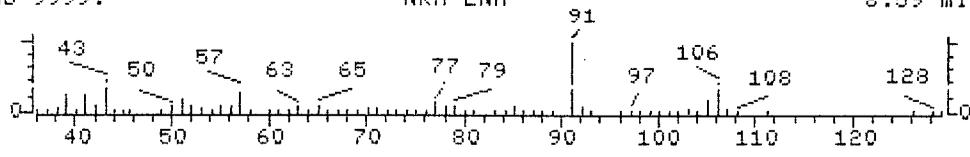
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Bpk Ab 9999. NRM ENH 7.06 min.



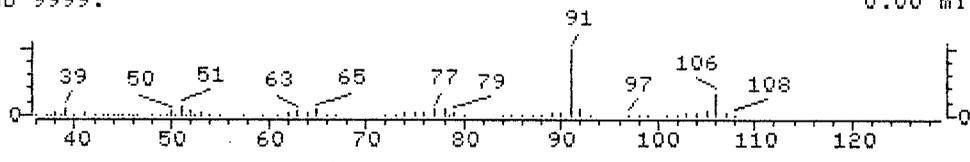
File >V0611 E1005-0210 50.6746 1ML Scan 346  
Bpk Ab 9999. NRM ENH 7.06 min.



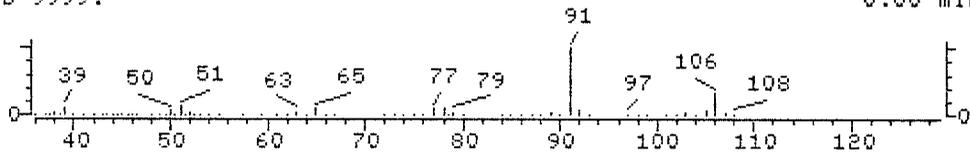
File >V0611 E1005-021D 50.6746 1ML Scan 493  
Bpk Ab 9999. NRM ENH 8.59 min.



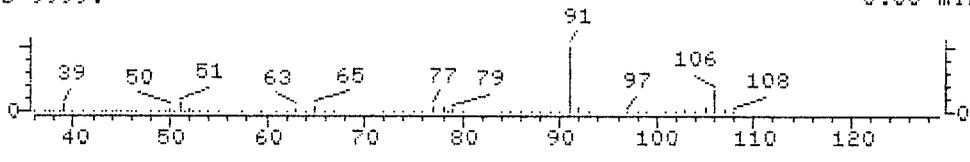
File PRIPOL Benzene, ethyl- Scan 67  
Bpk Ab 9999. 0.00 min.



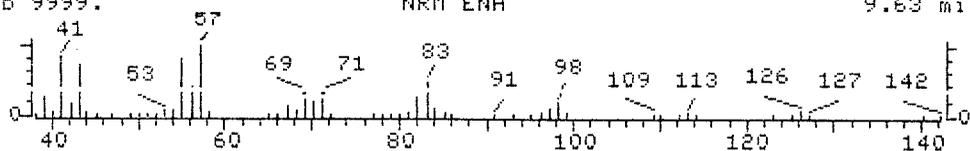
File PRIPOL Benzene, ethyl- Scan 67  
Bpk Ab 9999. 0.00 min.



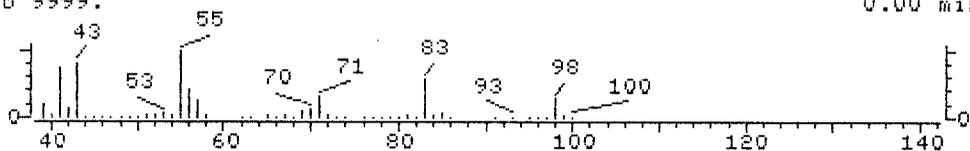
File PRIPOL Benzene, ethyl- Scan 67  
Bpk Ab 9999. 0.00 min.



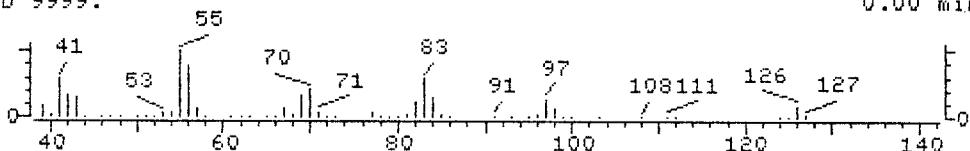
File >V0611 E1005-021D 50.6746 1ML Scan 592  
Bpk Ab 9999. NRM ENH 9.63 min.



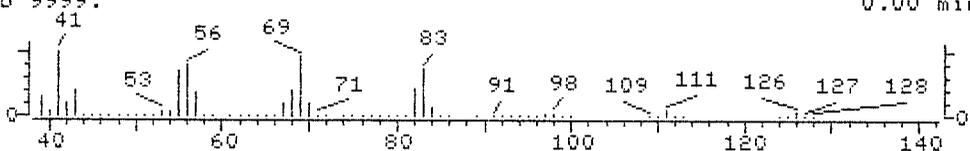
File >B1608 Cyclopropane, 1,1,2,3-tetramethyl- (9CI) Scan 8532  
Bpk Ab 9999. 0.00 min.



File >B1608 Cyclopentane, 1-methyl-2-propyl- (8CI9CI) Scan 3711  
Bpk Ab 9999. 0.00 min.



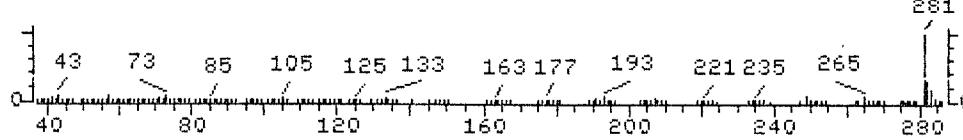
File >B1608 Cyclopentane, (2-methylpropyl)- (9CI) Scan 5415  
Bpk Ab 9999. 0.00 min.



File >V0611  
Bpk Ab 9999.

E1005-0210 50.6746 1ML  
NRM ENH

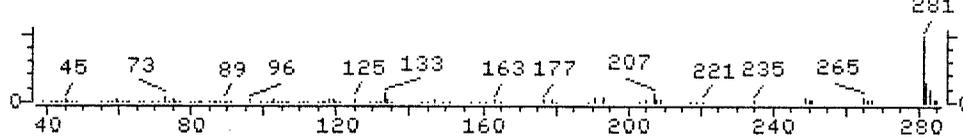
Scan 655  
10.28 min.



File >BIGDB  
Bpk Ab 9999.

Cyclotetrasiloxane, octamethyl- (8CI9CI)

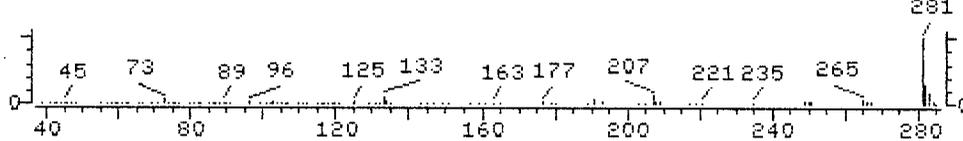
Scan 32181  
0.00 min.



File >BIGDB  
Bpk Ab 9999.

Cyclotetrasiloxane, octamethyl- (8CI9CI)

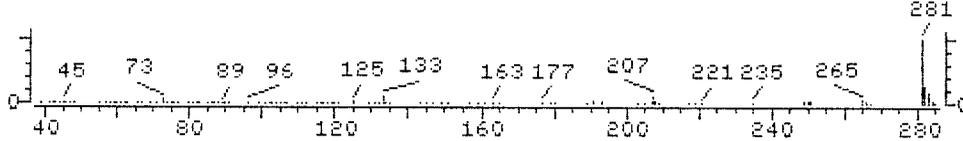
Scan 32181  
0.00 min.



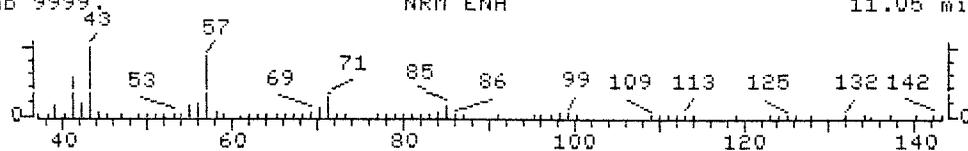
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Bpk Ab 9999.

Cyclotetrasiloxane, octamethyl- (8CI9CI)

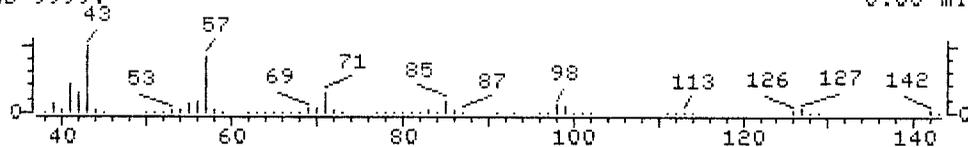
Scan 32181  
0.00 min.



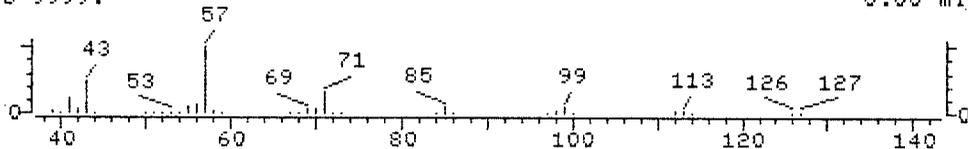
File >V0611 E1005-0210 50.6746 IML Scan 728  
Bpk Ab 9999 NRM ENH 11.05 min.



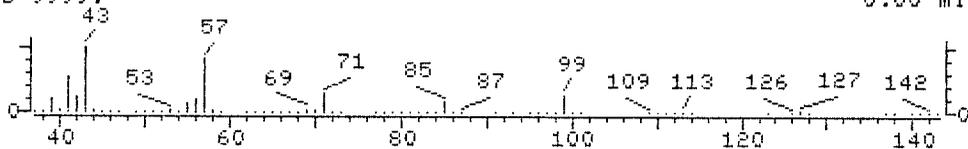
File >BIGDB Nonane, 2-methyl- (8CI9CI) Scan 8635  
Bpk Ab 9999 0.00 min.



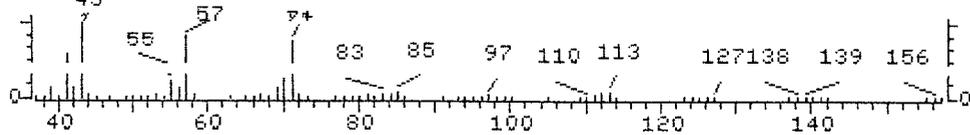
File >BIGDB Decane, 2,6,8-trimethyl- (9CI) Scan 3928  
Bpk Ab 9999 0.00 min.



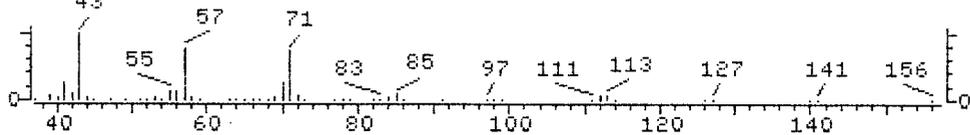
File >BIGDB Octane, 2,7-dimethyl- (8CI9CI) Scan 8726  
Bpk Ab 9999 0.00 min.



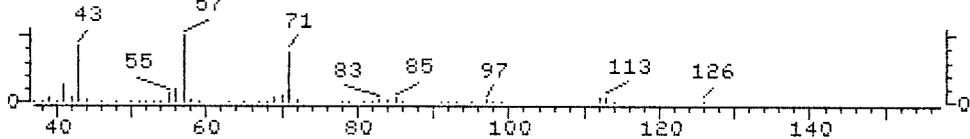
File >V0611 E1005-021D 50.6746 1ML Scan 774  
Bpk Ab 9999 NRM ENH 11.53 min.



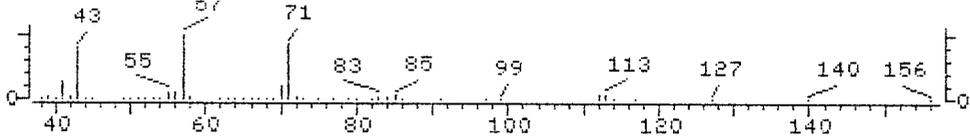
File >BIGDB Nonane, 2,6-dimethyl- (8C19C1) Scan 3956  
Bpk Ab 9999 0.00 min.



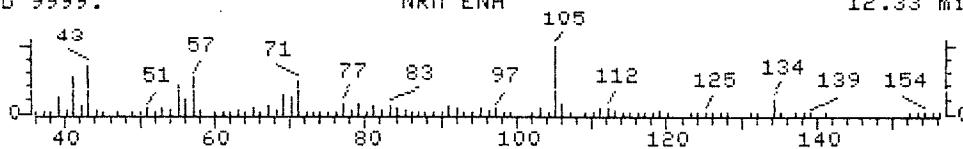
File >BIGDB Octane, 2,3,7-trimethyl- (9C1) Scan 3962  
Bpk Ab 9999 0.00 min.



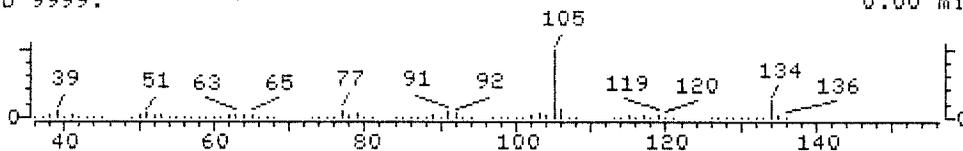
File >BIGDB Octane, 2,3,6-trimethyl- (9C1) Scan 3961  
Bpk Ab 9999 0.00 min.



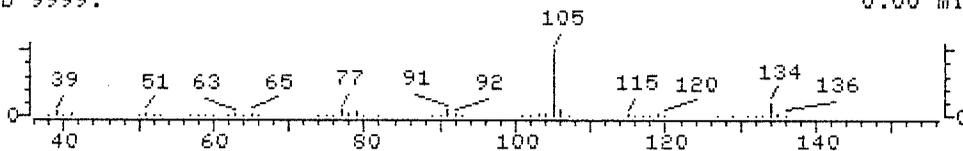
File >V0611 E1005-021D 50.6746 1ML Scan 851  
Bpk Ab 9999. NRM ENH 12.33 min.



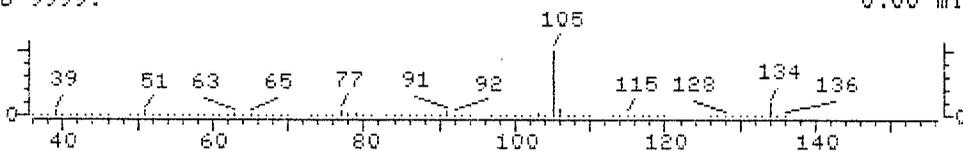
File >B16DB Benzene, 1-methyl-3-propyl- (9CI) Scan 14464  
Bpk Ab 9999. 0.00 min.



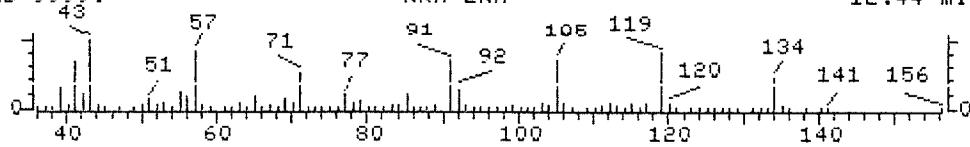
File >B16DB Benzene, 1-methyl-2-propyl- (9CI) Scan 14463  
Bpk Ab 9999. 0.00 min.



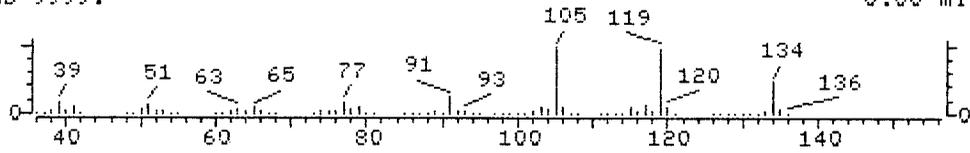
File >B16DB Benzene, 1-methyl-4-propyl- (9CI) Scan 14465  
Bpk Ab 9999. 0.00 min.



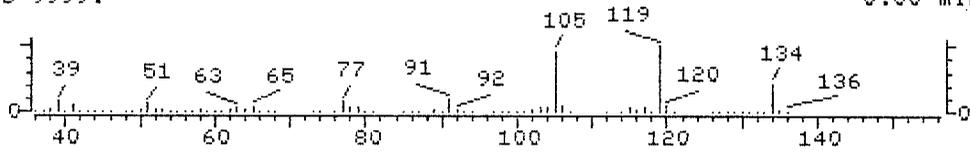
File >V0611 E1005-0210 50.6746 1ML Scan 861  
Bpk Ab 9999. NRM ENH 12.44 min.



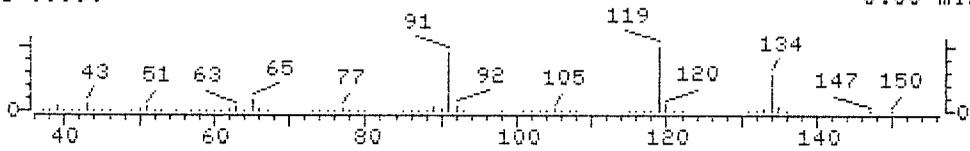
File >BIGDB Benzene, 1,2-diethyl- (9CI) Scan 14481  
Bpk Ab 9999. 0.00 min.



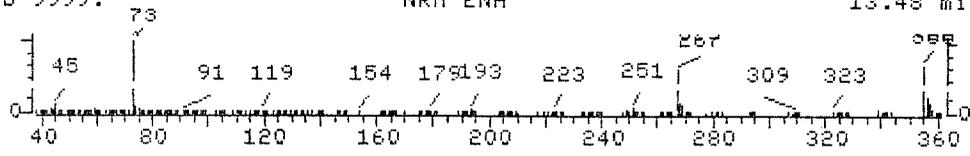
File >BIGDB Benzene, 1,3-diethyl- (9CI) Scan 14482  
Bpk Ab 9999. 0.00 min.



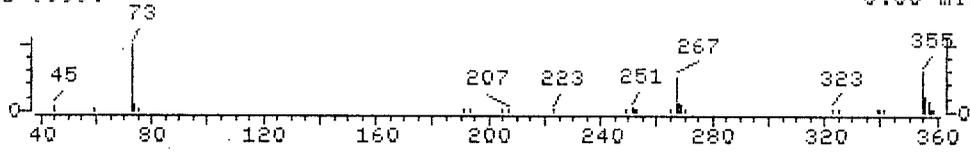
File >BIGDB Ethanone, 1-(2-methylphenyl)- (9CI) Scan 14486  
Bpk Ab 9999. 0.00 min.



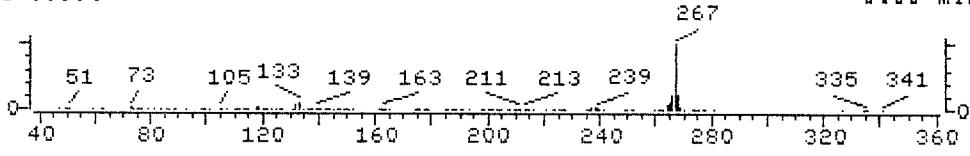
File >V0811 E1005-021D 50.6746 1ML Scan 961  
Bpk Ab 9999. NRM ENH 13.48 min.



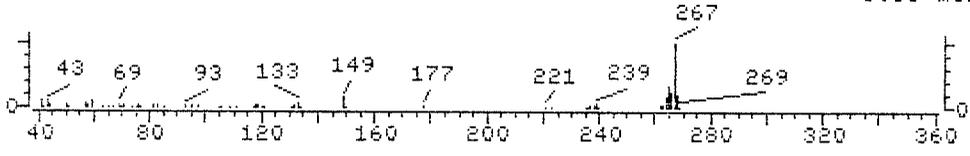
File >B1608 Cyclopentasiloxane, decamethyl- (8C19CI) Scan 37074  
Bpk Ab 9999. 0.00 min.



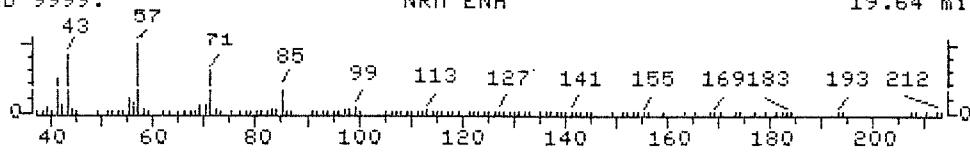
File >B1608 13H-Dibenzo[a,i]carbazole (8C19CI) Scan 30878  
Bpk Ab 9999. 0.00 min.



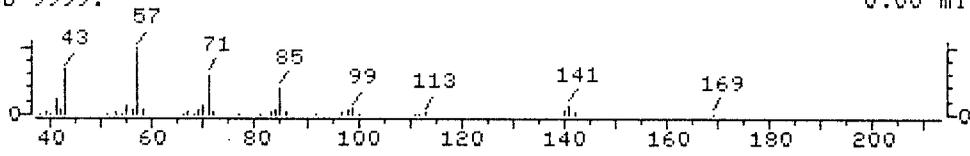
File >B1608 7H-Dibenzo[c,g]carbazole (8C19CI) Scan 30877  
Bpk Ab 9999. 0.00 min.



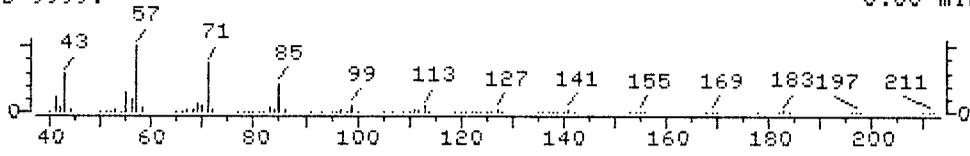
File >V0611 E1005-0210 50.6746 1ML Scan 1549  
Bpk Ab 9999. NRM ENH 19.64 min.



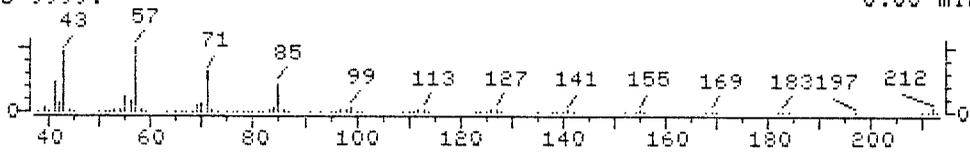
File >BIGDB Decane, 2,3,5-trimethyl- (9CI) Scan 6164  
Bpk Ab 9999. 0.00 min.



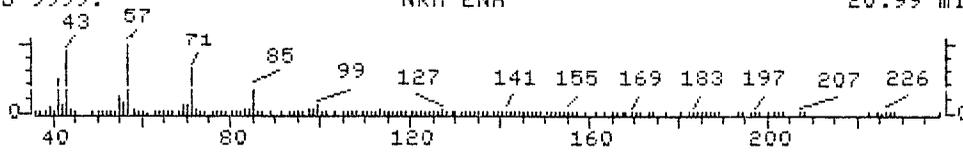
File >BIGDB Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161  
Bpk Ab 9999. 0.00 min.



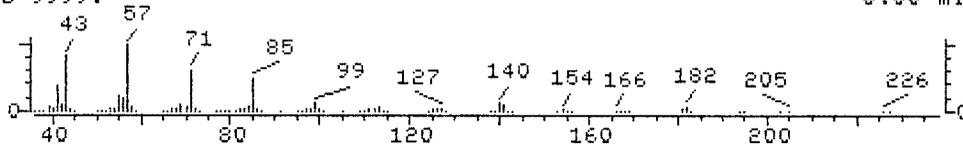
File >BIGDB Pentadecane (8CI9CI) Scan 6265  
Bpk Ab 9999. 0.00 min.



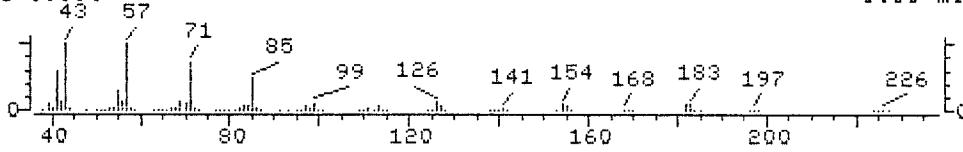
File >V0611 E1005-021D 50.6746 1ML Scan 1674  
Bpk Ab 9999. NRM ENH 20.99 min.



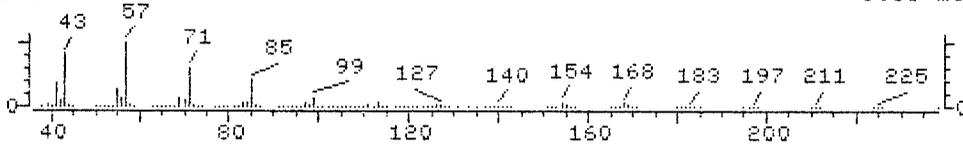
File >BIGDB Dodecane, 2-methyl-6-propyl- (9CI) Scan 6244  
Bpk Ab 9999. 0.00 min.



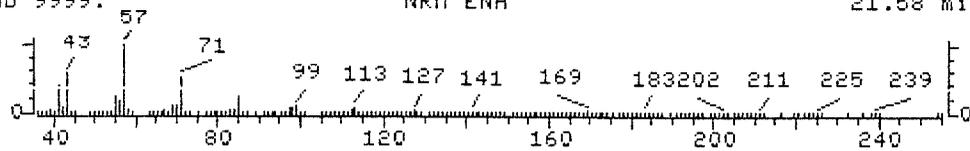
File >BIGDB Tridecane, 6-propyl- (9CI) Scan 6247  
Bpk Ab 9999. 0.00 min.



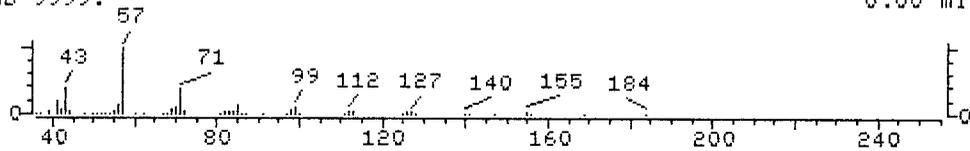
File >BIGDB Eicosane, 10-methyl- (9CI) Scan 6226  
Bpk Ab 9999. 0.00 min.



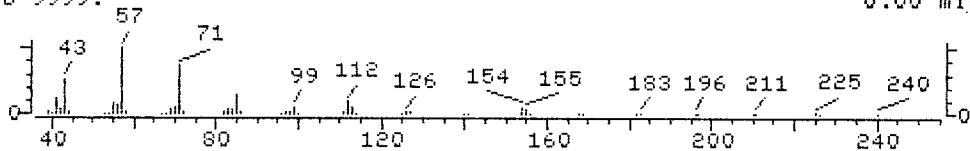
File >V0611 E1005-021D 50.6746 1ML Scan 1727  
Bpk Ab 9999. NRM ENH 21.58 min.



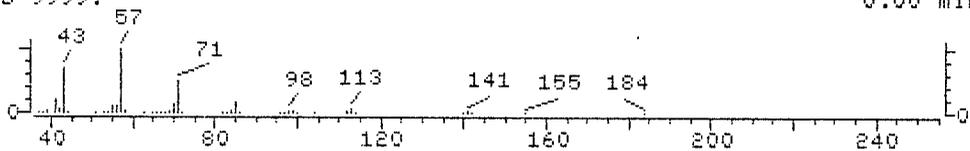
File >BIGDB Undecane, 3,5-dimethyl- (8CI) Scan 8754  
Bpk Ab 9999. 0.00 min.



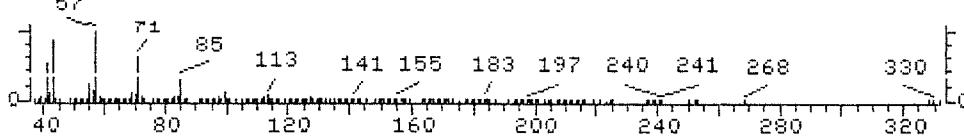
File >BIGDB Hexadecane, 7-methyl- (8CI9CI) Scan 4020  
Bpk Ab 9999. 0.00 min.



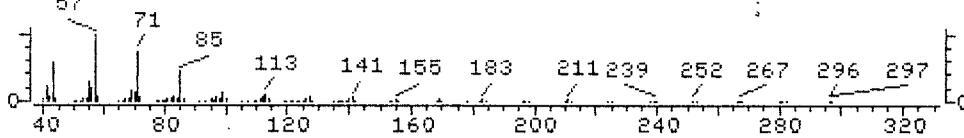
File >BIGDB Undecane, 4,6-dimethyl- (8CI) Scan 3957  
Bpk Ab 9999. 0.00 min.



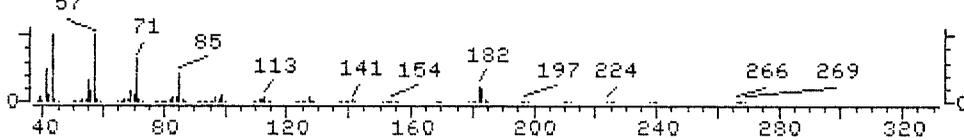
File >V0611 E1005-021D 50.67461NL Scan 1789  
Bpk Ab 9999. NRM ENH 22.28 min.



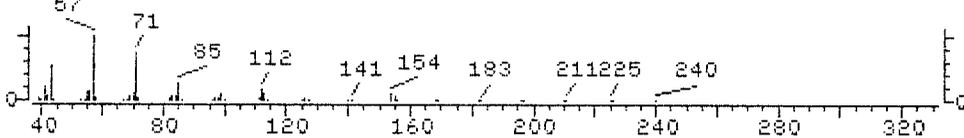
File >B1608 Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161  
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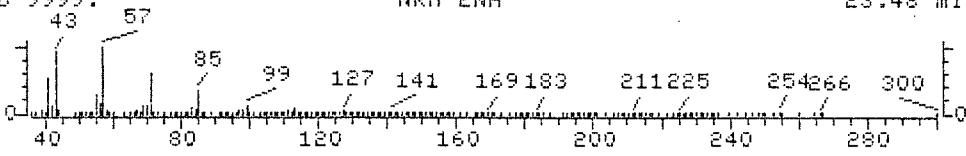
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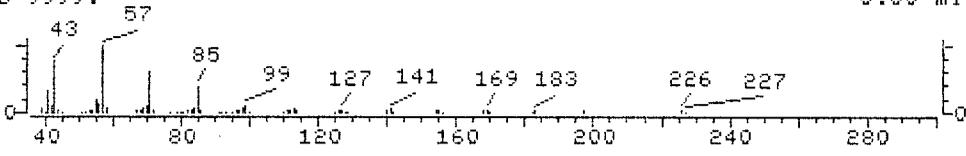
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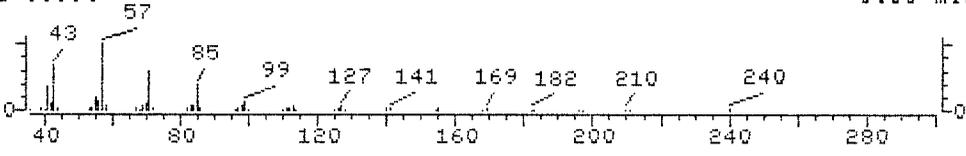
File >V0611 E1005-0210 50.6746 IML Scan 1899  
Bpk Ab 9999. NRM ENH 23.48 min.



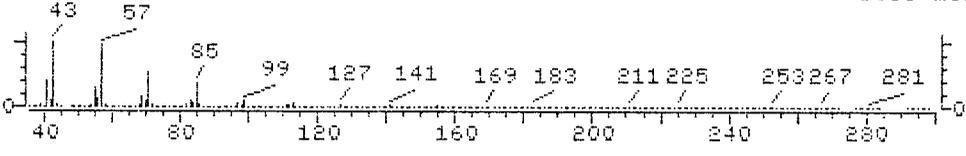
File >B16DB Hexadecane (8C19CI) Scan 6146  
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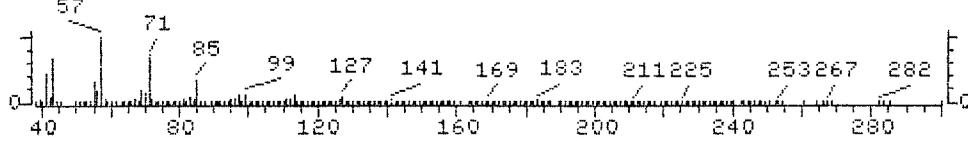
File >B16DB Heptadecane (8C19CI) Scan 6090  
Bpk Ab 9999. 0.00 min.



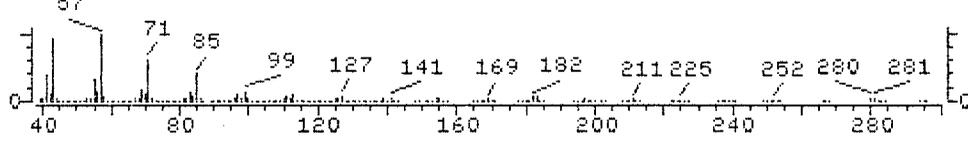
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Bpk Ab 9999. 0.00 min.



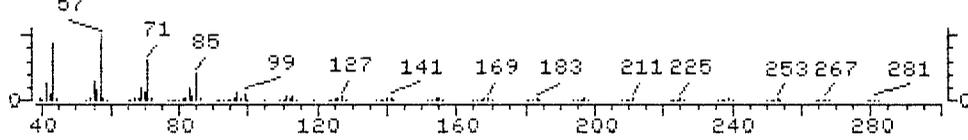
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Bpk Ab 9999. NRM ENH 23.55 min.



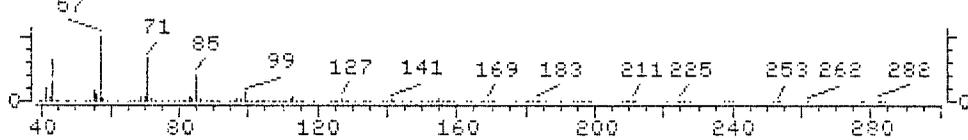
File >E16DB Eicosane, 7-hexyl- (9CI) Scan 6285  
Bpk Ab 9999. 0.00 min.



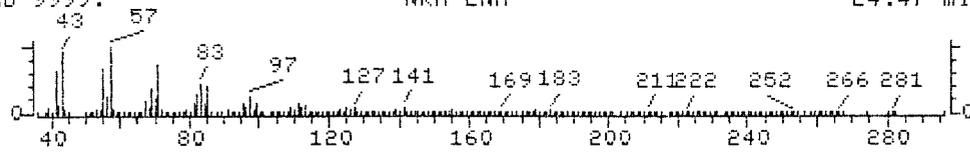
File >E16DB Hexatriacontane (8CI9CI) Scan 6193  
Bpk Ab 9999. 0.00 min.



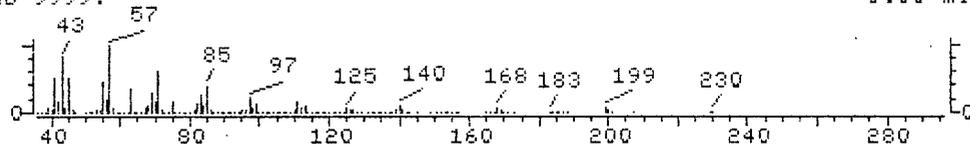
File >E16DB Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene) Scan 6168  
Bpk Ab 9999. 0.00 min.



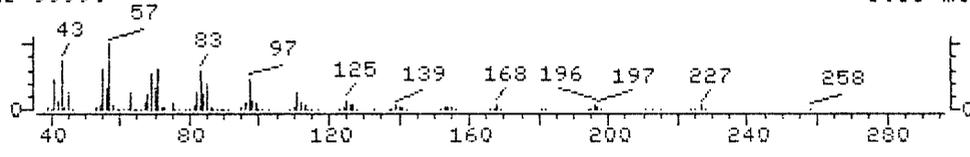
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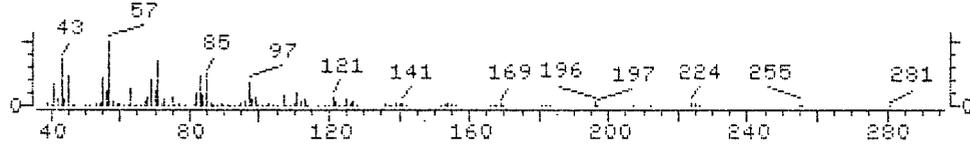
File >B1608 Ethanol, 2-(dodecyloxy)- (8C19C1) Scan 6257  
Bpk Ab 9999. 0.00 min.



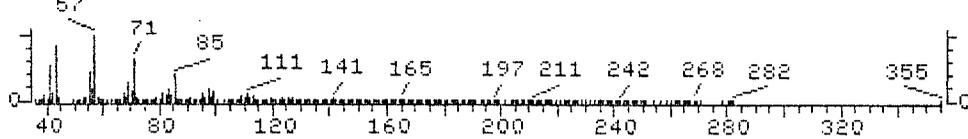
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Bpk Ab 9999. 0.00 min.



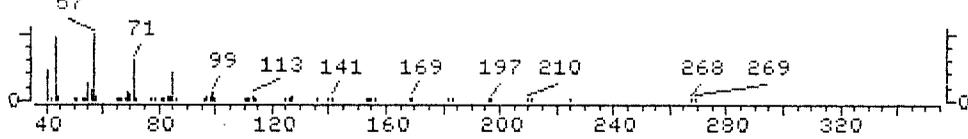
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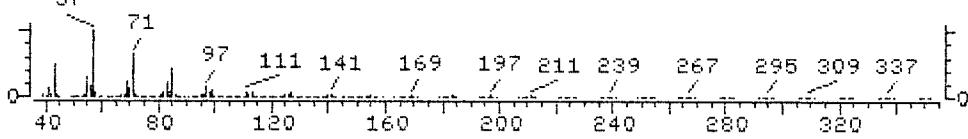
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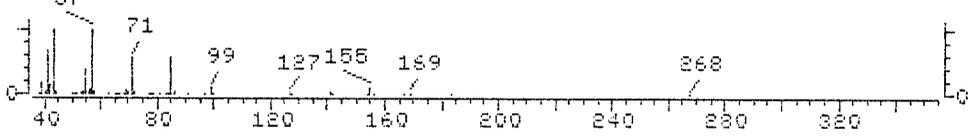
File >BIGDB Nonadecane (8CI9CI) Scan 6091  
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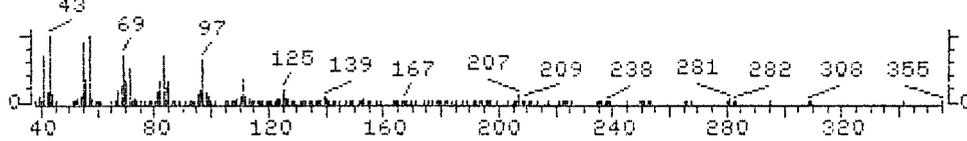
File >BIGDB Tritetracontane (8CI9CI) Scan 6150  
Bpk Ab 9999. 0.00 min.



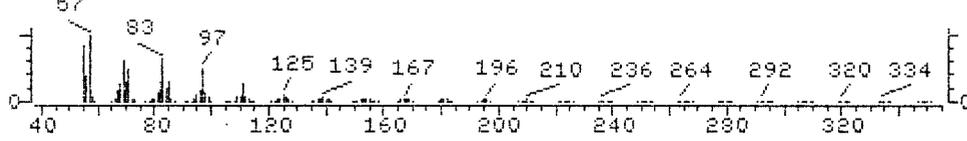
File >BIGDB Decane, 1-iodo- (8CI9CI) Scan 6194  
Bpk Ab 9999. 0.00 min.



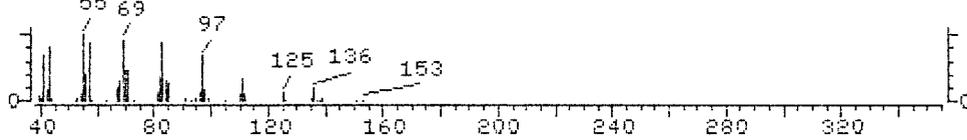
File >V0611 E1005-0210 50.6746 IML Scan 2630  
Bpk Ab 9999. NRM ENH 31.68 min.



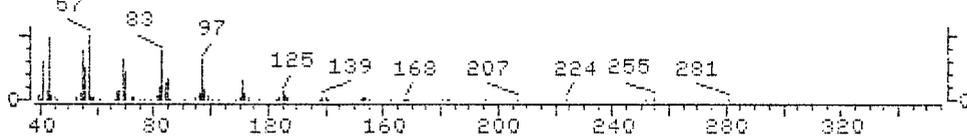
File >BIGDB 1-Dotriacontanol (8CI9CI) Scan 8333  
Bpk Ab 9999. 0.00 min.



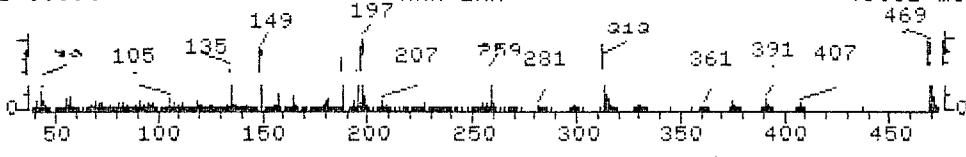
File >BIGDB Phosphonic acid, dioctadecyl ester (8CI9CI) Scan 8329  
Bpk Ab 9999. 0.00 min.



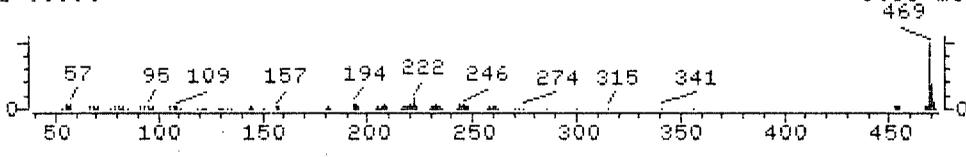
File >BIGDB 1,2-Octadecanediol (8CI9CI) Scan 8464  
Bpk Ab 9999. 0.00 min.



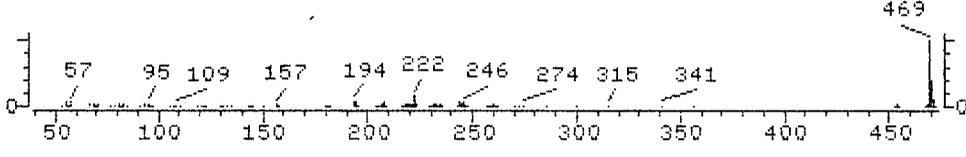
File >V0611 E1005-0210 50.6746 1ML Scan 3408  
Bpk Ab 9999. NRM ENH 40.32 min.



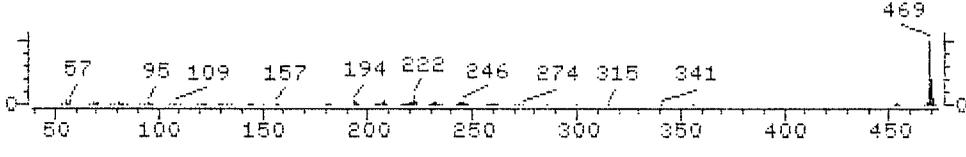
File >BIGDB 1'H-Cholesta-2,4,6-trieno[3,2-b]indole, 1'-methyl Scan 40782  
Bpk Ab 9999. 0.00 min.



File >BIGDB 1'H-Cholesta-2,4,6-trieno[3,2-b]indole, 1'-methyl Scan 40782  
Bpk Ab 9999. 0.00 min.



File >BIGDB 1'H-Cholesta-2,4,6-trieno[3,2-b]indole, 1'-methyl Scan 40782  
Bpk Ab 9999. 0.00 min.



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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |
| 9-09-2- - - - -   | 3-Nitroaniline               | 677 | U |
| 63-32-9- - - - -  | 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|           |                            |       |  |
|-----------|----------------------------|-------|--|
| 51-28-5   | 2,4-Dinitrophenol          | 677IU |  |
| 100-02-7  | 4-Nitrophenol              | 677IU |  |
| 132-64-9  | Dibenzofuran               | 271IU |  |
| 121-14-2  | 2,4-Dinitrotoluene         | 271IU |  |
| 66-2      | Diethylphthalate           | 271IU |  |
| 1005-72-3 | 4-chlorophenyl-phenylether | 271IU |  |
| 86-73-7   | Fluorene                   | 271IU |  |
| 100-01-6  | 4-Nitroaniline             | 677IU |  |
| 534-52-1  | 4,6-Dinitro-2-methylphenol | 677IU |  |
| 86-30-6   | N-Nitrosodiphenylamine (1) | 271IU |  |
| 101-55-3  | 4-Bromophenyl-phenylether  | 271IU |  |
| 118-74-1  | Hexachlorobenzene          | 271IU |  |
| 87-86-5   | Pentachlorophenol          | 677IU |  |
| 85-01-8   | Phenanthrene               | 76J   |  |
| 120-12-7  | Anthracene                 | 271IU |  |
| 86-74-8   | Carbazole                  | 271IU |  |
| 84-74-2   | Di-n-butylphthalate        | 71BJ  |  |
| 206-44-0  | Fluoranthene               | 68J   |  |
| 129-00-0  | Pyrene                     | 52J   |  |
| 85-68-7   | Butylbenzylphthalate       | 271IU |  |
| 91-94-1   | 3,3'-Dichlorobenzidine     | 271IU |  |
| 56-55-3   | Benzo(a)anthracene         | 41IU  |  |
| 218-01-9  | Chrysene                   | 41IU  |  |
| 117-81-7  | bis(2-Ethylhexyl)phthalate | 271IU |  |
| 117-84-0  | Di-n-octylphthalate        | 271IU |  |
| 205-99-2  | Benzo(b)fluoranthene       | 41IU  |  |
| 207-08-9  | Benzo(k)fluoranthene       | 41IU  |  |
| 50-32-8   | Benzo(a)pyrene             | 41IU  |  |
| 193-39-5  | Indeno(1,2,3-cd)pyrene     | 41IU  |  |
| 53-70-3   | Dibenz(a,h)anthracene      | 41IU  |  |
| 191-24-2  | Benzo(g,h,i)perylene       | 271IU |  |

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

Operator ID: ANDY  
 Output File: ^V0703::A5  
 Data File: >V0703::A1  
 Name: E1005-02  
 Misc: 2A 50.610G 1ML

Quant Rev: 7 Quant Time: 941010 08:36  
 Injected at: 941007 13:27  
 Dilution Factor: 1.00000  
 Instrument ID: MACH-2  
 BTL# 4

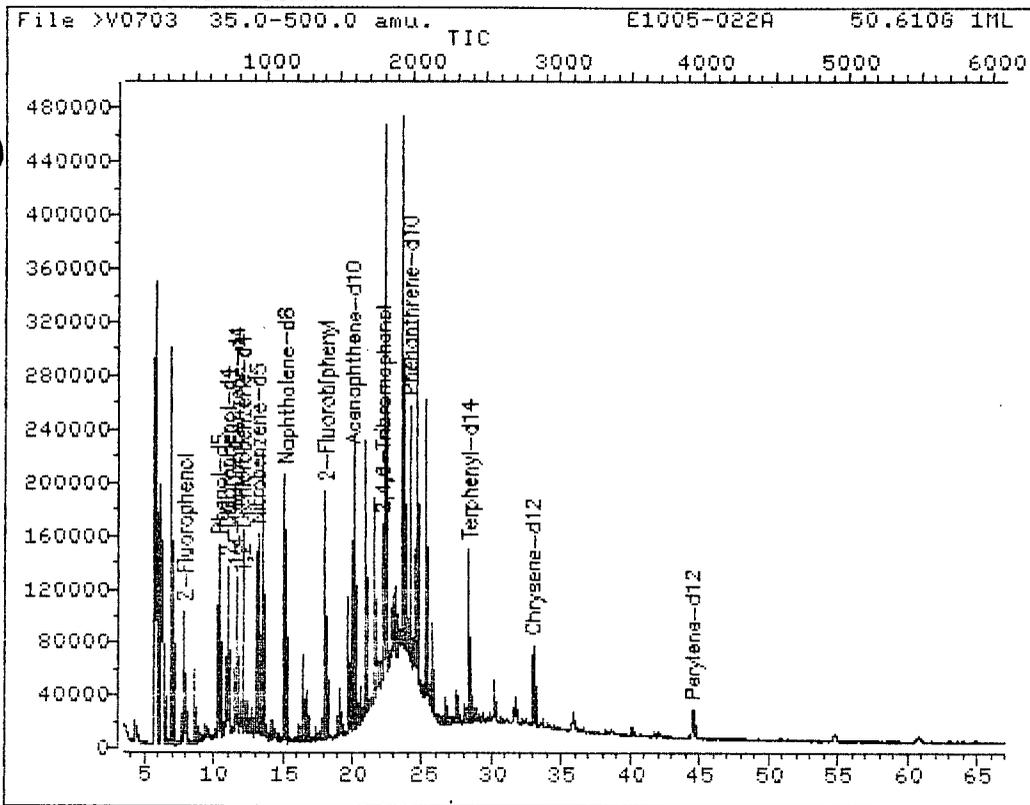
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 Last Calibration: 930806 16:07

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



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 Misc: 2A 50.610G 1ML

Quant Output File: ^V0703::A5  
 Instrument ID: MACH-2

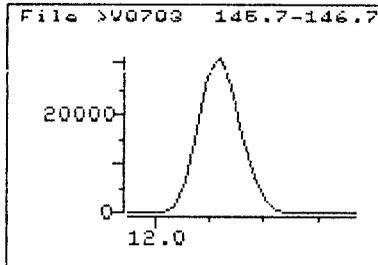
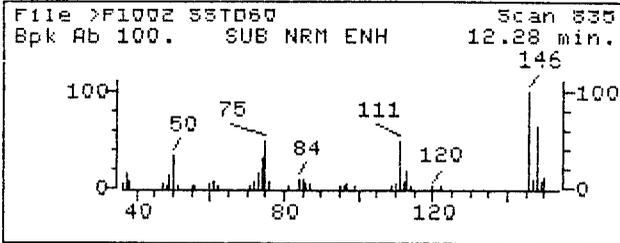
BTL# 4

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 Title: CLP SEMIVOLATILES  
 Last Calibration: 930806 16:07

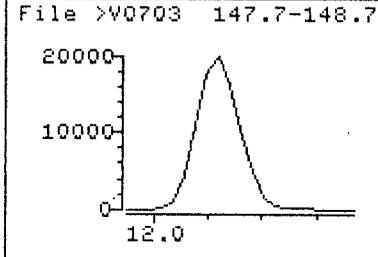
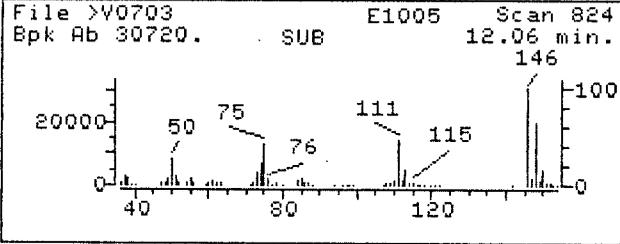
Last Qcal Time: 941007 11:43

Operator ID: ANDY  
 Quant Time : 941010 08:36  
 Injected at: 941007 13:27

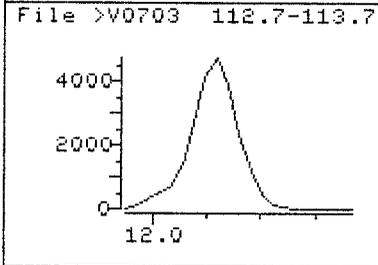
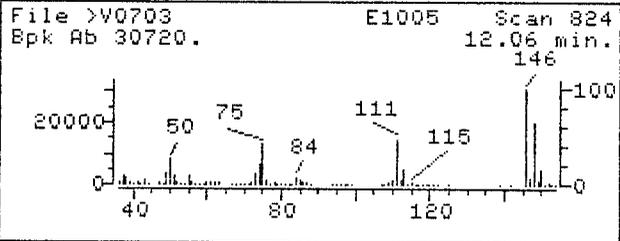
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

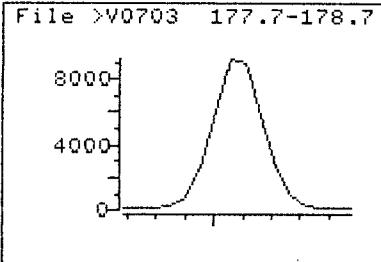
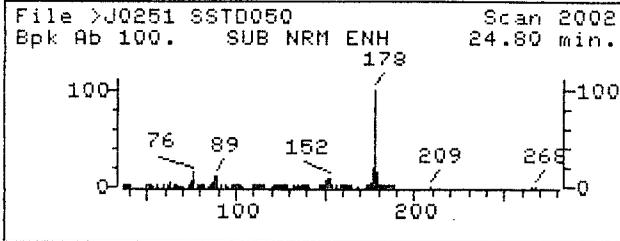


Data File: >V0703  
Name: E1005-02  
Misc: 2A 50.610G 1ML  
Quant Time: 941010 08:36  
Injected at: 941007 13:27  
Last Qcal Time: 941007 11:43

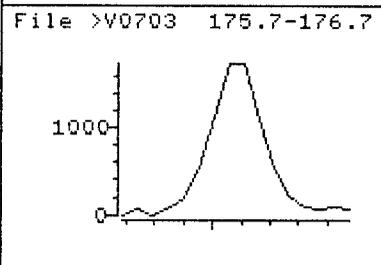
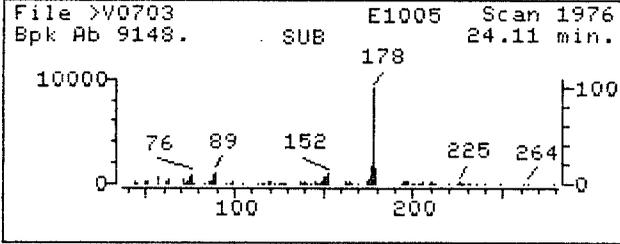
Quant Output File: ^V0703::A5  
Instrument ID: MACH-2  
BTL# 4  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

Compound No : 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

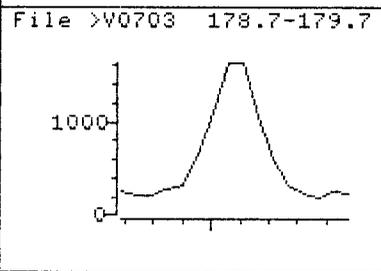
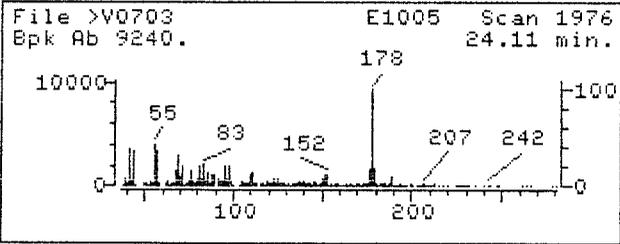
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

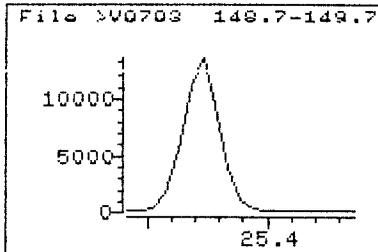
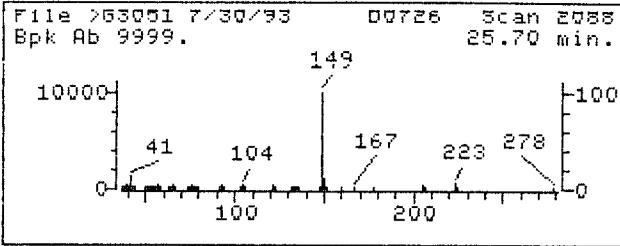


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Misc: 2A 50.610G 1ML  
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Injected at: 941007 13:27  
Last Qcal Time: 941007 11:43

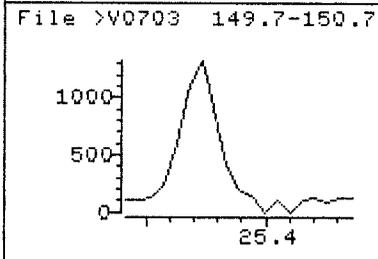
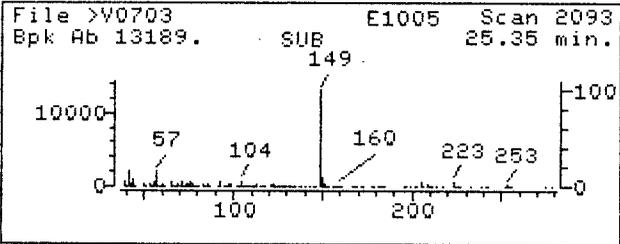
Quant Output File: ^V0703::A5  
Instrument ID: MACH-2  
BTL# 4  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

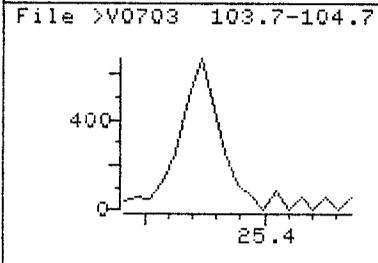
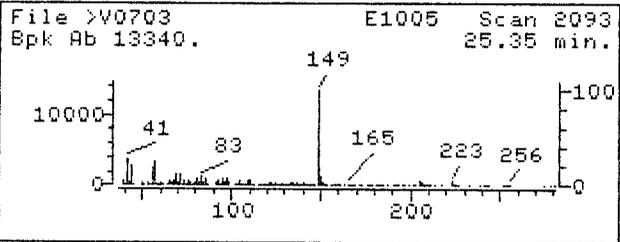
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

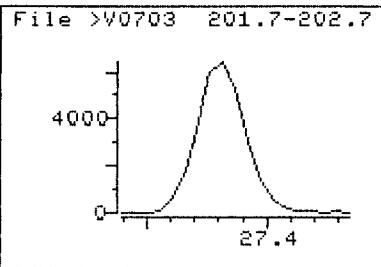
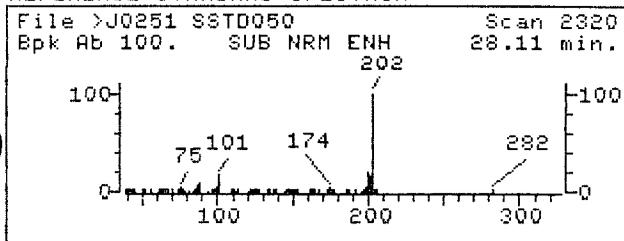


Data File: >V0703  
Name: E1005-02  
Misc: 2A 50.610G 1ML  
Quant Time: 941010 08:36  
Injected at: 941007 13:27  
Last Qcal Time: 941007 11:43

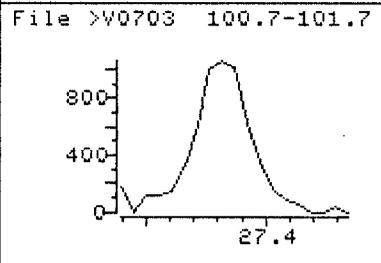
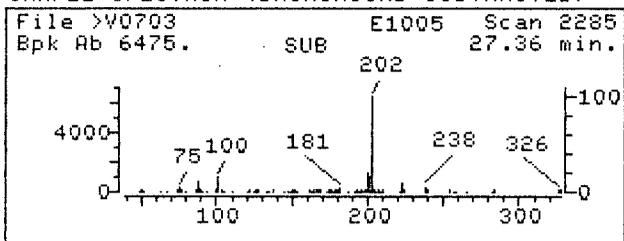
Quant Output File: ^V0703::A5  
Instrument ID: MACH-2  
BTL# 4  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

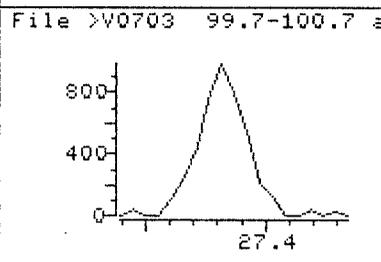
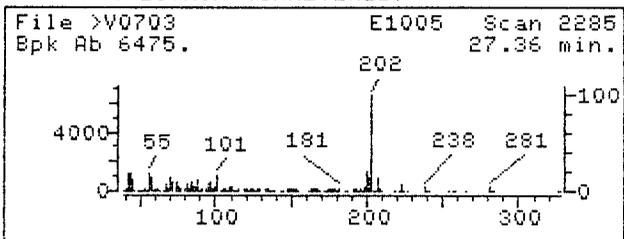
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

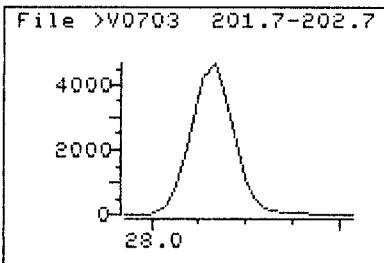
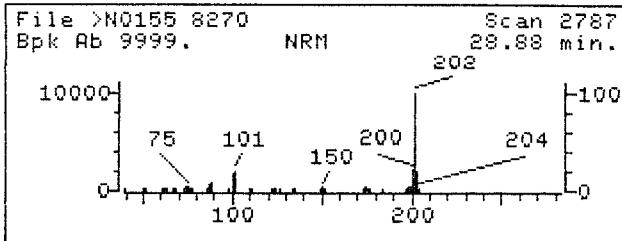


Data File: >V0703  
Name: E1005-02  
Misc: 2A 50.610G 1ML  
Quant Time: 941010 08:36  
Injected at: 941007 13:27  
Last Qcal Time: 941007 11:43

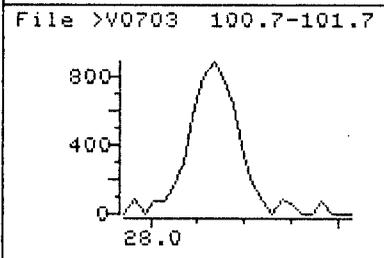
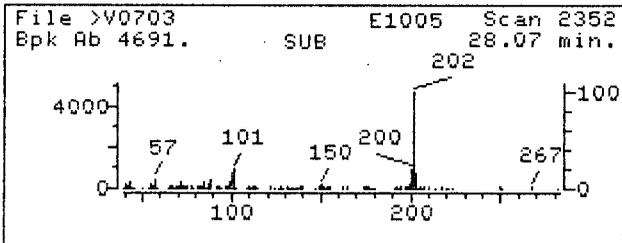
Quant Output File: ^V0703::A5  
Instrument ID: MACH-2  
BTL# 4  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

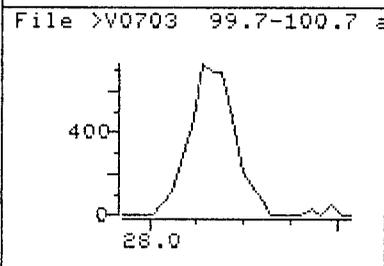
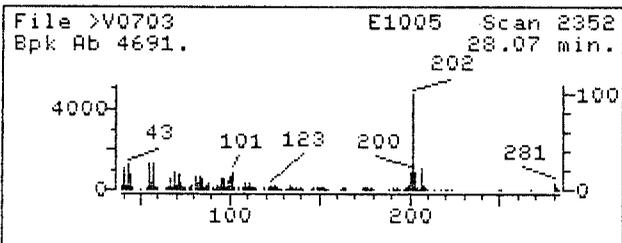
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

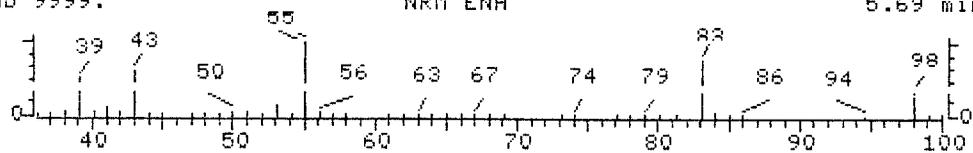


Data File: >V0703  
Name: E1005-02  
Misc: 2A 50.610G 1ML  
Quant Time: 941010 08:36  
Injected at: 941007 13:27  
Last Qcal Time: 941007 11:43

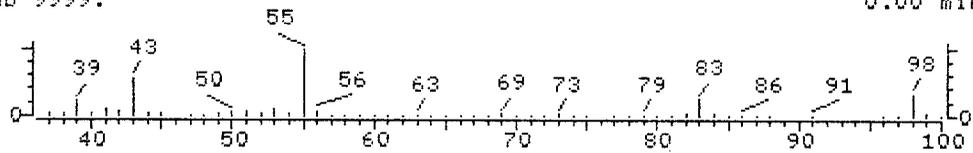
Quant Output File: ^V0703::A5  
Instrument ID: MACH-2  
BTL# 4  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

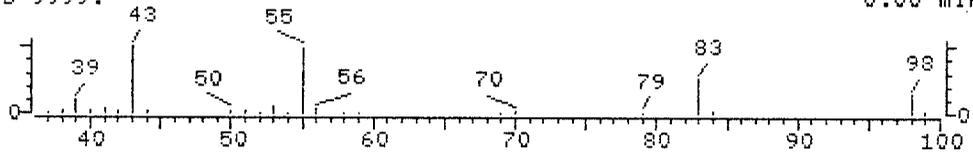
File >V0703 E1005-022A 50.6106 1ML Scan 212  
Bpk Ab 9999. NRM ENH 5.69 min.



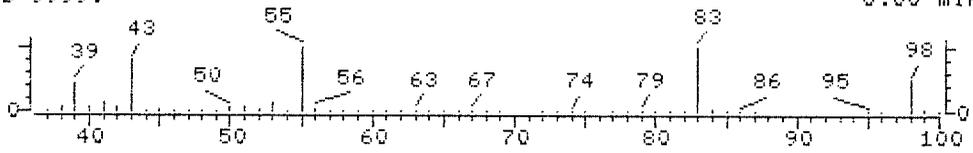
File >BIGDB 3-Pentan-2-one, 3-methyl- (8CI9CI) Scan 8488  
Bpk Ab 9999. 0.00 min.



File >BIGDB 2-Pentanone, 3-methylene- (8CI9CI) Scan 8504  
Bpk Ab 9999. 0.00 min.



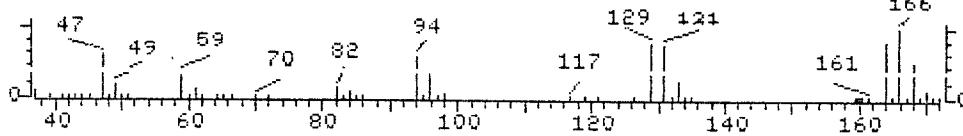
File >BIGDB 3-Pentan-2-one, 4-methyl- (8CI9CI) Scan 8486  
Bpk Ab 9999. 0.00 min.



File >V0703  
Bpk Ab 9999.

E1005-022A 50.6106 IML  
NRM ENH

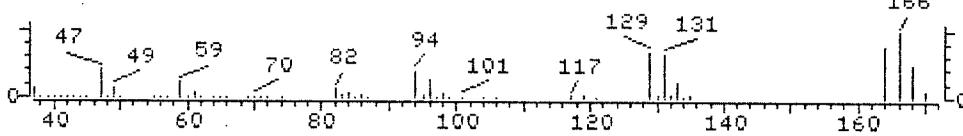
Scan 247  
6.05 min.  
166



File PRIPOL  
Bpk Ab 9999.

Ethene, tetrachloro-

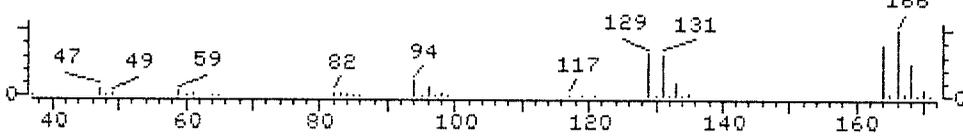
Scan 184  
0.00 min.  
166



File PRIPOL  
Bpk Ab 9999.

Ethene, tetrachloro-

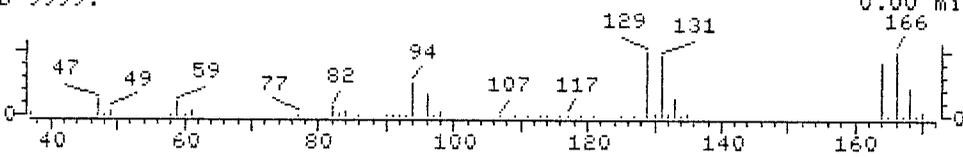
Scan 181  
0.00 min.  
166



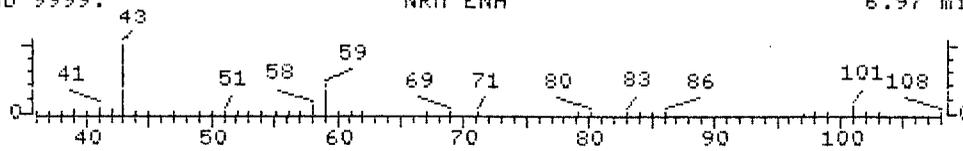
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Bpk Ab 9999.

Ethene, tetrachloro-

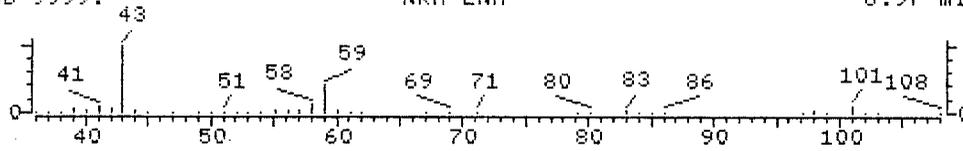
Scan 182  
0.00 min.  
166



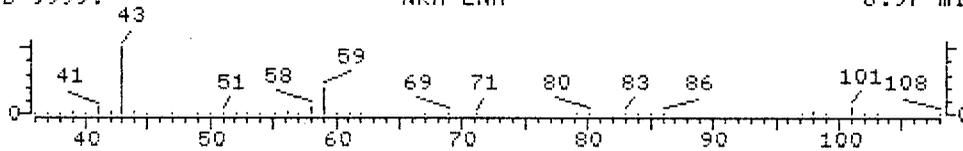
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Bpk Ab 9999. NRM ENH 6.97 min.



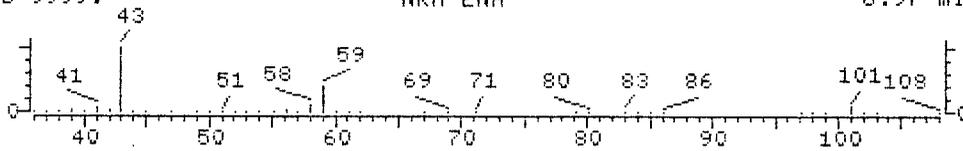
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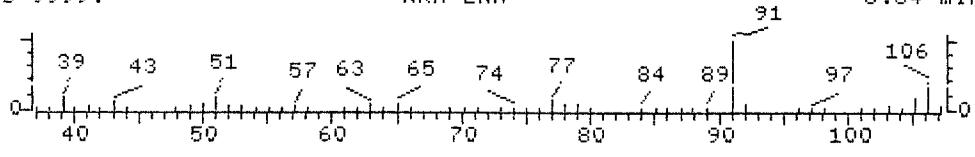
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Bpk Ab 9999. NRM ENH 6.97 min.



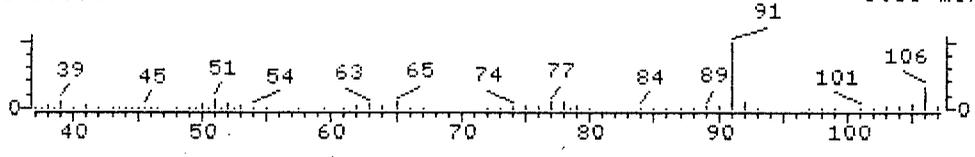
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Bpk Ab 9999. NRM ENH 6.97 min.



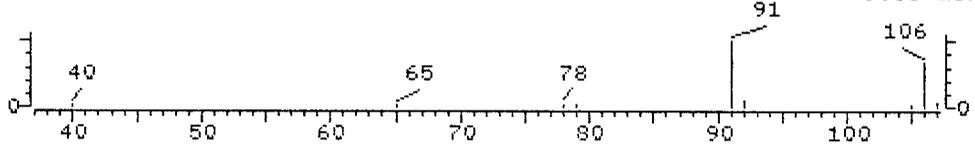
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Bpk Ab 9999. NRM ENH 8.54 min.



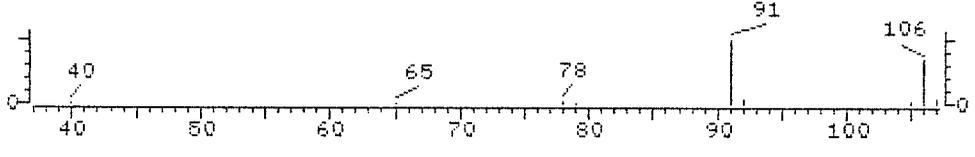
File PRIPDL Benzene, ethyl- Scan 67  
Bpk Ab 9999. 0.00 min.



File PRIPDL Benzene, ethyl- Scan 68  
Bpk Ab 9999. 0.00 min.



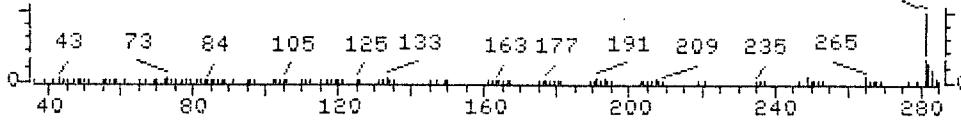
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Bpk Ab 9999. 0.00 min.



File >V0703  
Bpk Ab 9999.

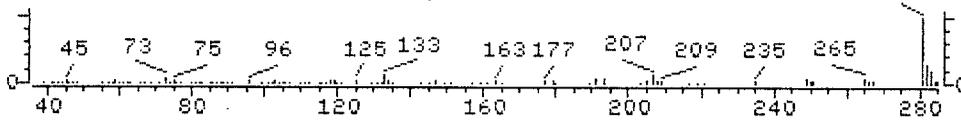
E1005-022A 50.6106 1ML  
NRM ENH

Scan 652  
10.27 min.  
281



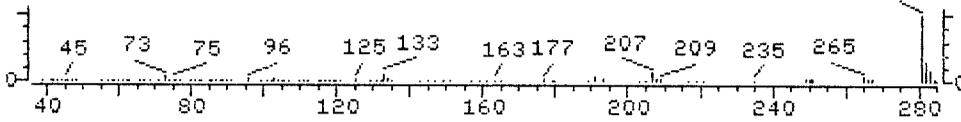
File >B16DB Cyclotetrasiloxane, octamethyl- (8CI9CI)  
Bpk Ab 9999.

Scan 32181  
0.00 min.  
281



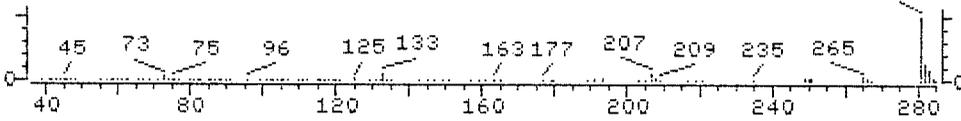
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Bpk Ab 9999.

Scan 32181  
0.00 min.  
281

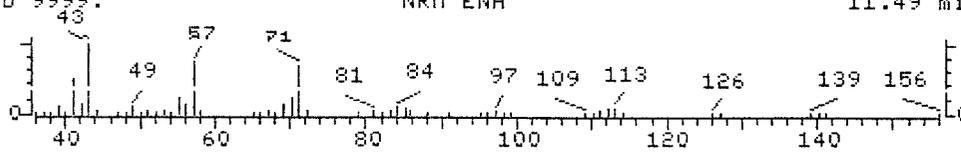


File >B16DB Cyclotetrasiloxane, octamethyl- (8CI9CI)  
Bpk Ab 9999.

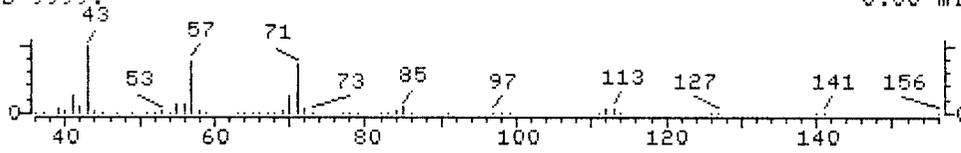
Scan 32181  
0.00 min.  
281



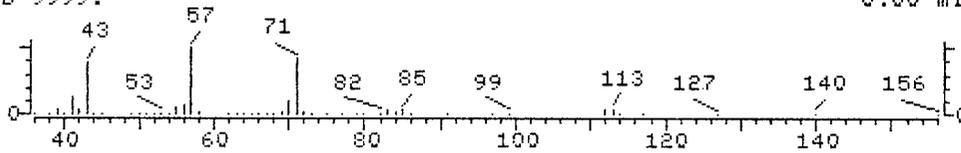
File >V0703 E1005-022A 50.6106 IML Scan 769  
Bpk Ab 9999. NRM ENH 11.49 min.



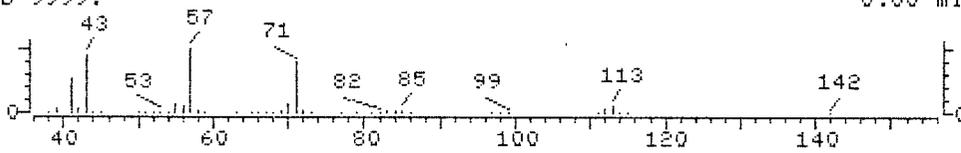
File >BIGDB Nonane, 2,6-dimethyl- (8CI9CI) Scan 3956  
Bpk Ab 9999. 0.00 min.



File >BIGDB Octane, 2,3,6-trimethyl- (9CI) Scan 3961  
Bpk Ab 9999. 0.00 min.



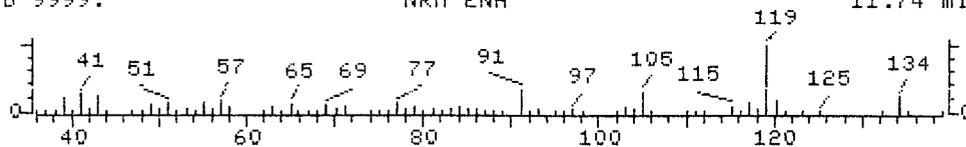
File >BIGDB Heptane, 3-ethyl-5-methyl- (9CI) Scan 3958  
Bpk Ab 9999. 0.00 min.



File >V0703  
Bpk Ab 9999.

E1005-022A 50.6106 1ML  
NRM ENH

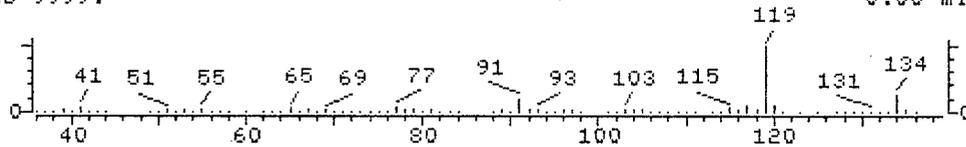
Scan 793  
11.74 min.



File >BIG08  
Bpk Ab 9999.

Benzene, methyl(1-methylethyl)- (9CI)

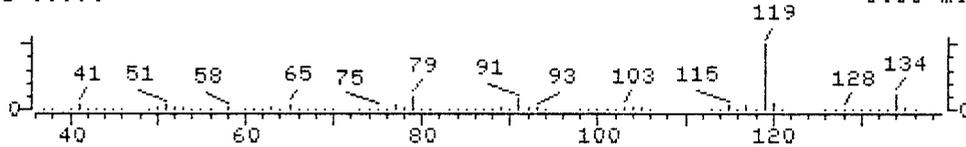
Scan 12177  
0.00 min.



File >BIG08  
Bpk Ab 9999.

Benzene, 1-methyl-2-(1-methylethyl)- (9CI)

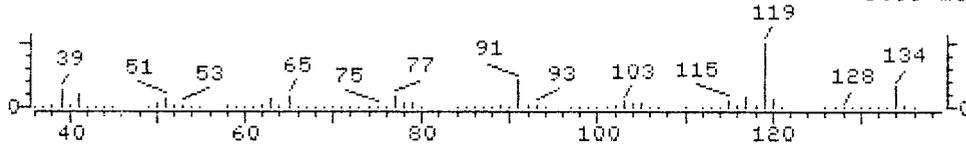
Scan 12169  
0.00 min.



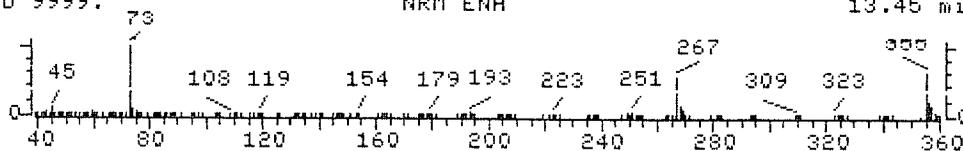
File >BIG08  
Bpk Ab 9999.

Benzene, 1-methyl-4-(1-methylethyl)- (9CI)

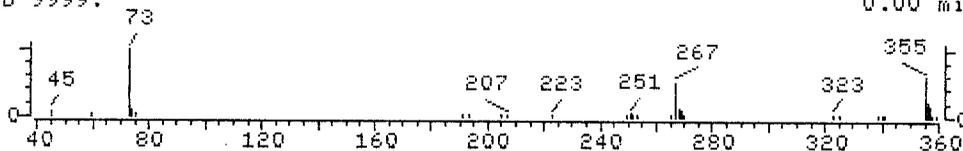
Scan 12178  
0.00 min.



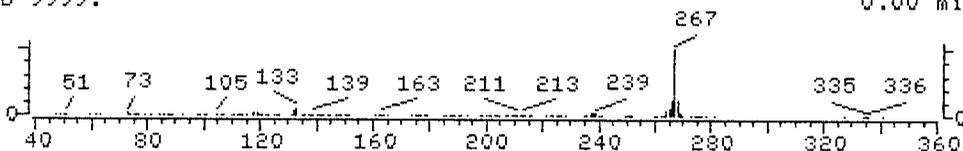
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Bpk Ab 9999. NRM ENH 13.45 min.



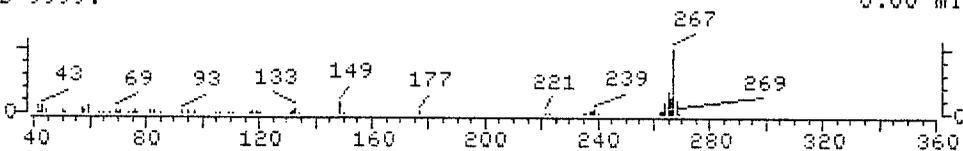
File >BIGDB Cyclopentasiloxane, decamethyl- (8CI9CI) Scan 37074  
Bpk Ab 9999. 0.00 min.



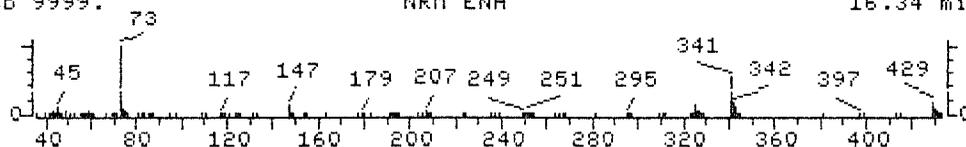
File >BIGDB 13H-Dibenzof[a,i]carbazole (8CI9CI) Scan 30878  
Bpk Ab 9999. 0.00 min.



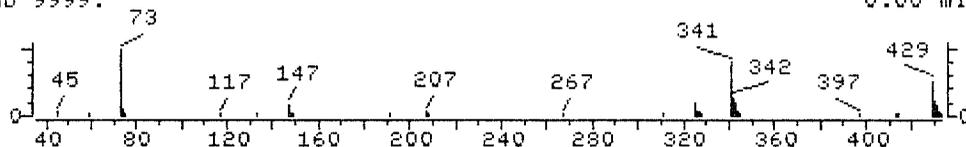
File >BIGDB 7H-Dibenzof[c,g]carbazole (8CI9CI) Scan 30877  
Bpk Ab 9999. 0.00 min.



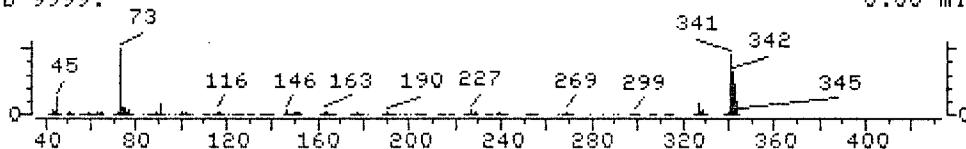
File >V0703 E1005-022A 50.61061ML Scan 1235  
Bpk Ab 9999. NRM ENH 16.34 min.



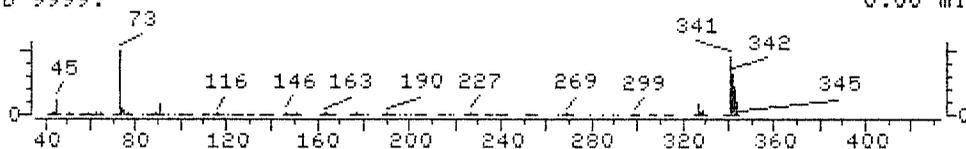
File >BIGDB Cyclohexasiloxane, dodecamethyl- (8CI9CI) Scan 39922  
Bpk Ab 9999. 0.00 min.



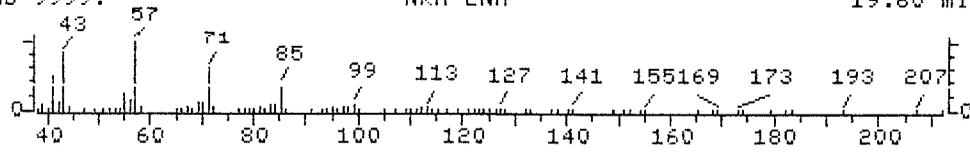
File >BIGDB 2H-1,4-Benzodiazepin-2-one, 7-chloro-1,3-dihydro- Scan 36404  
Bpk Ab 9999. 0.00 min.



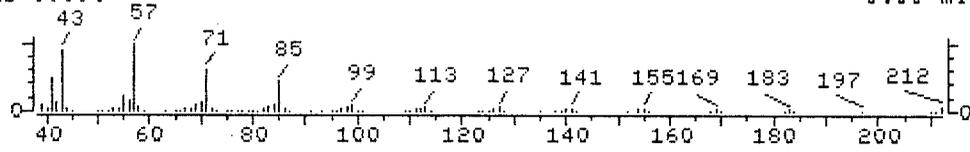
File >BIGDB 2H-1,4-Benzodiazepin-2-one, 7-chloro-1,3-dihydro- Scan 36404  
Bpk Ab 9999. 0.00 min.



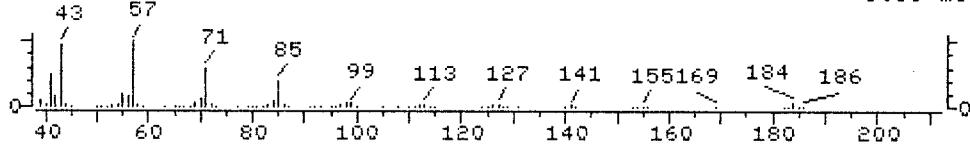
File >V0703 E1005-022A 50.6106 1ML Scan 1547  
Bpk Ab 9999. NRM ENH 19.60 min.



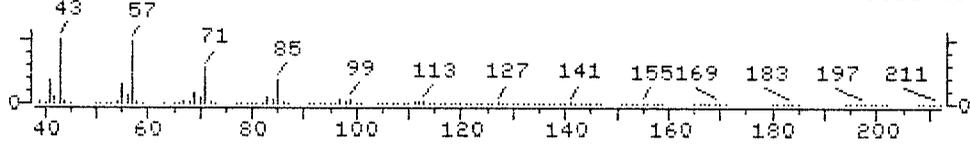
File >BIGDB Pentadecane (SCI9CI) Scan 6265  
Bpk Ab 9999. 0.00 min.



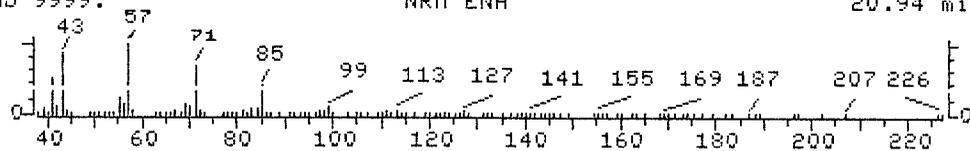
File >BIGDB Tridecane (SCI9CI) Scan 6250  
Bpk Ab 9999. 0.00 min.



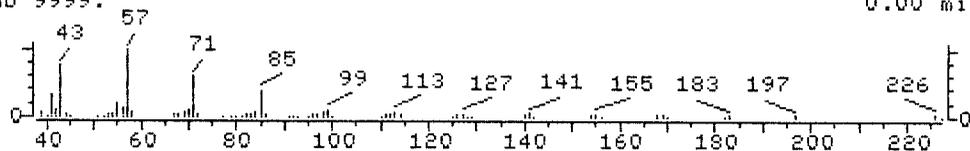
File >BIGDB Octacosane (SCI9CI) Scan 6093  
Bpk Ab 9999. 0.00 min.



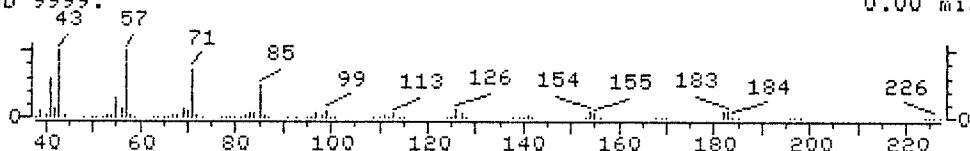
File >V0703 E1005-022A 50.6106 1ML Scan 1675  
Bpk Ab 9999. NRM ENH 20.94 min.



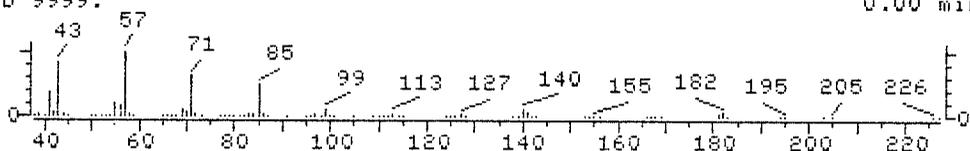
File >BIGDB Hexadecane (8CI9CI) Scan 6146  
Bpk Ab 9999. 0.00 min.



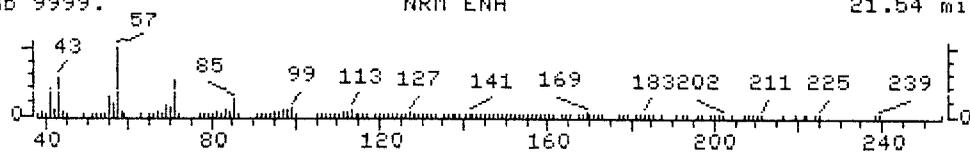
File >BIGDB Tridecane, 6-propyl- (9CI) Scan 6247  
Bpk Ab 9999. 0.00 min.



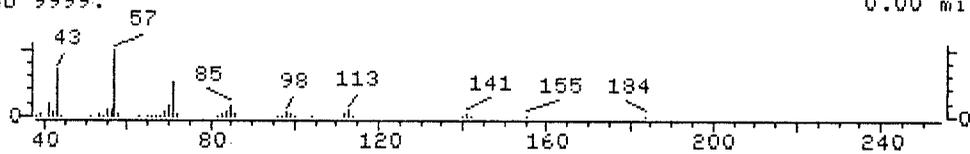
File >BIGDB Dodecane, 2-methyl-6-propyl- (9CI) Scan 6244  
Bpk Ab 9999. 0.00 min.



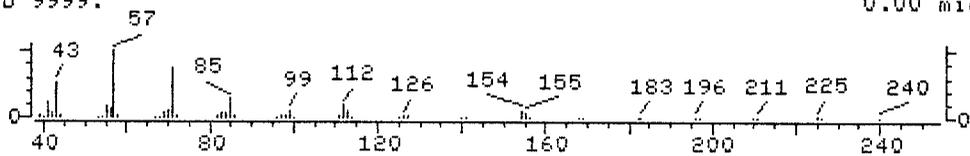
File >V0703 E1005-022A 50.6106 1ML Scan 1732  
Bpk Ab 9999. NRM ENH 21.54 min.



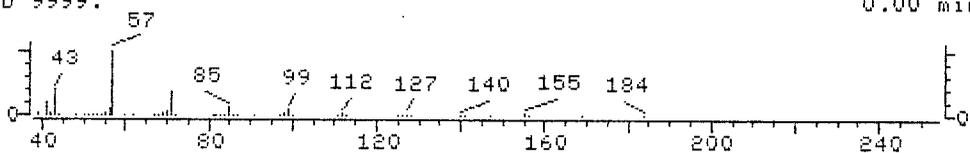
File >BIGDB Undecane, 4,6-dimethyl- (8CI) Scan 3957  
Bpk Ab 9999. 0.00 min.



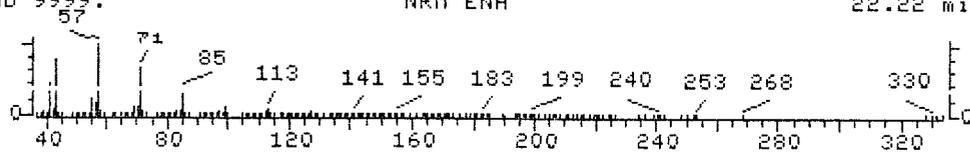
File >BIGDB Hexadecane, 7-methyl- (8CI9CI) Scan 4020  
Bpk Ab 9999. 0.00 min.



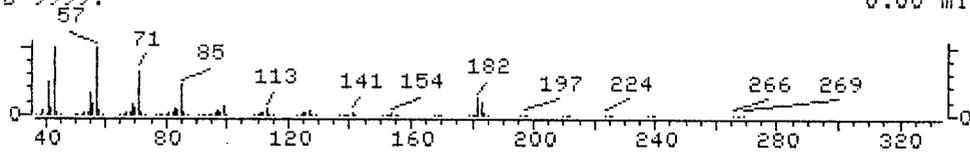
File >BIGDB Undecane, 3,5-dimethyl- (8CI) Scan 8754  
Bpk Ab 9999. 0.00 min.



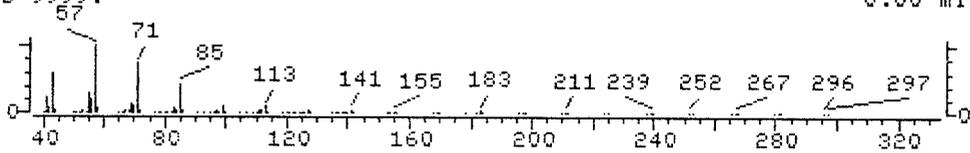
File >V0703 E1005-022A 50.6106 1ML Scan 1797  
Bpk Ab 9999. NRM ENH 22.22 min.



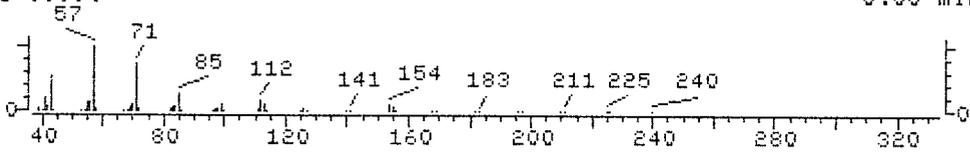
File >BIG08 Tridecane, 7-hexyl- (8CI9CI) Scan 21884  
Bpk Ab 9999. 0.00 min.



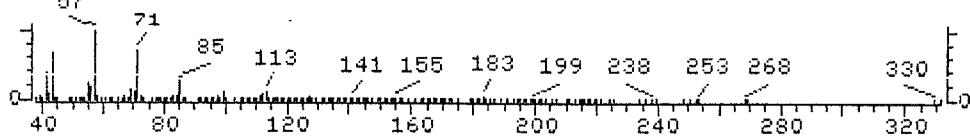
File >BIG08 Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161  
Bpk Ab 9999. 0.00 min.



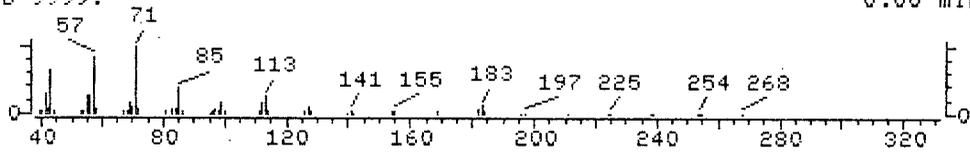
File >BIG08 Hexadecane, 7-methyl- (8CI9CI) Scan 4020  
Bpk Ab 9999. 0.00 min.



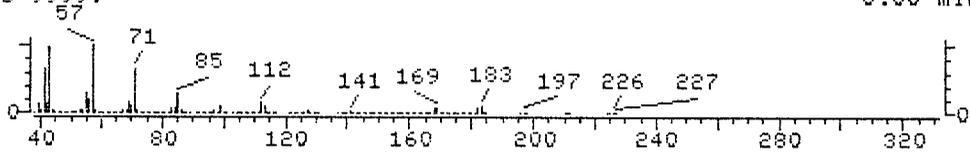
File >V0703 E1005-022A 50.6106 IML Scan 1800  
Bpk Ab 9999. NRM ENH 22.25 min.



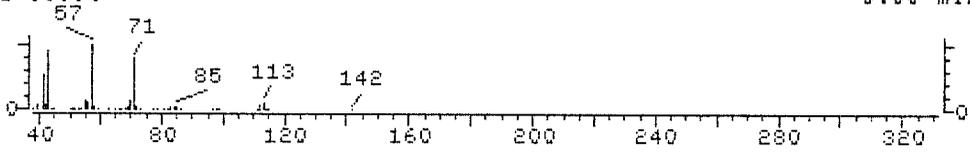
File >BIGDB Pentadecane, 2,6,10,14-tetramethyl- (8CI9CI) Scan 11242  
Bpk Ab 9999. 0.00 min.



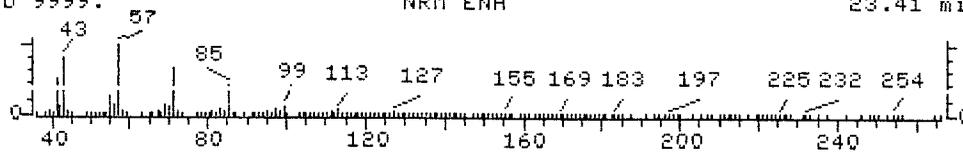
File >BIGDB Dodecane, 2-methyl-8-propyl- (9CI) Scan 22037  
Bpk Ab 9999. 0.00 min.



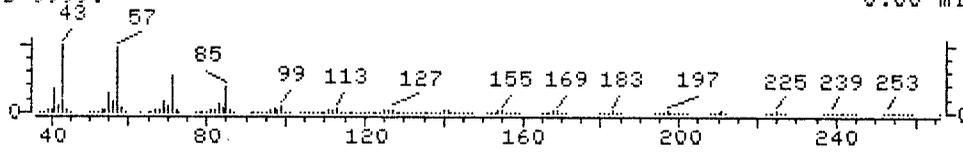
File >BIGDB Heptane, 3-ethyl-5-methyl- (9CI) Scan 3958  
Bpk Ab 9999. 0.00 min.



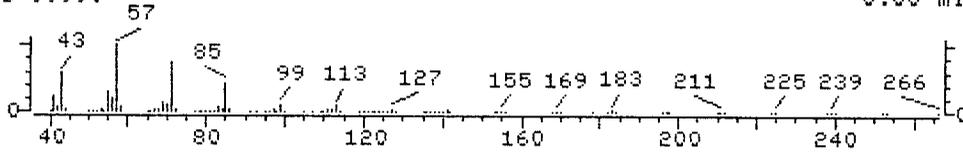
File >V0703 E1005-022A 50.6106 1ML Scan 1910  
Bpk Ab 9999. NRM ENH 23.41 min.



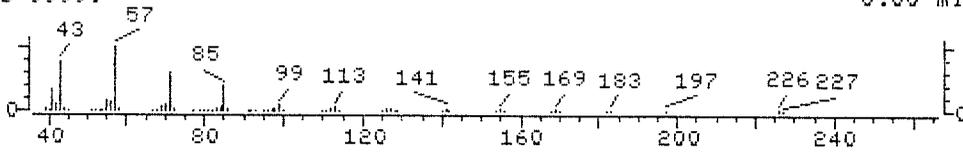
File >BIG08 Octacosane (8CI9CI) Scan 6093  
Bpk Ab 9999. 0.00 min.



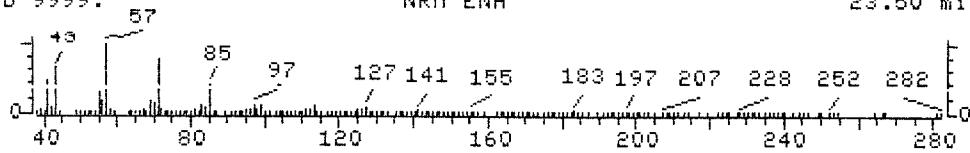
File >BIG08 Heptadecane, 2,6,10,15-tetramethyl- (9CI) Scan 6161  
Bpk Ab 9999. 0.00 min.



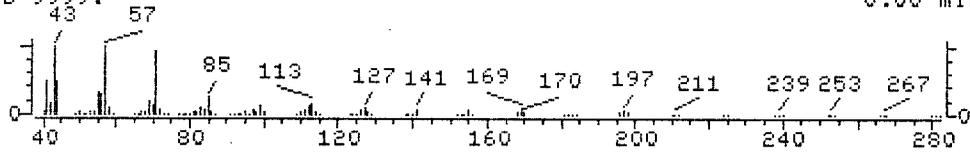
File >BIG08 Hexadecane (8CI9CI) Scan 6146  
Bpk Ab 9999. 0.00 min.



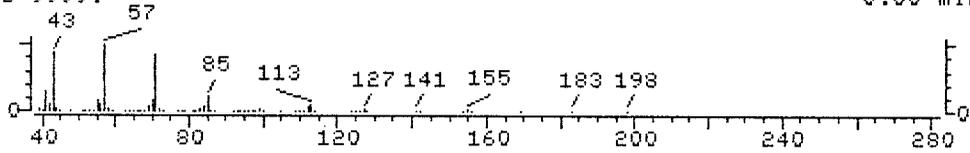
File >V0703 E1005-022A 50.6106 1ML Scan 1918  
Bpk Ab 9999. NRM ENH 23.50 min.



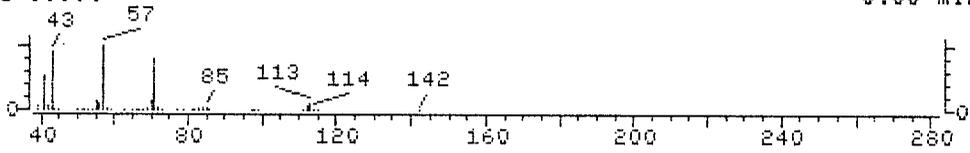
File >BIGDB Hexadecane, 2,6,11,15-tetramethyl- (8CI9CI) Scan 4040  
Bpk Ab 9999. 0.00 min.



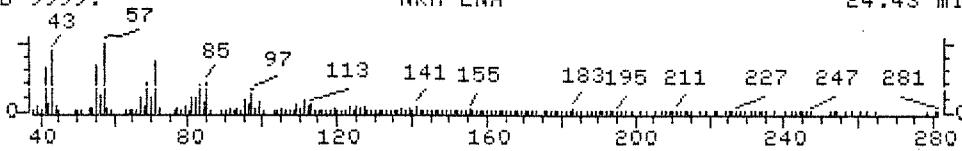
File >BIGDB Dodecane, 4,6-dimethyl- (9CI) Scan 3960  
Bpk Ab 9999. 0.00 min.



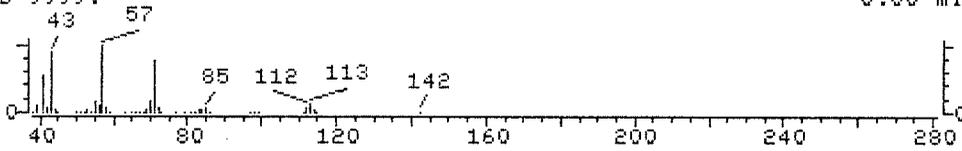
File >BIGDB Heptane, 3-ethyl-5-methyl- (9CI) Scan 3958  
Bpk Ab 9999. 0.00 min.



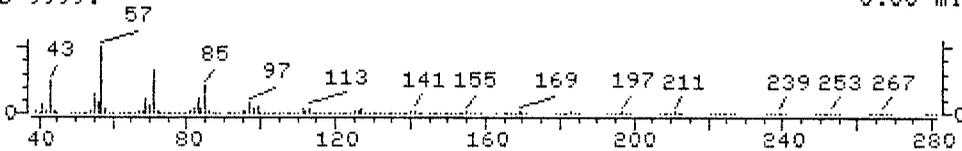
File >V0703 E1005-022A 50.6106 1ML Scan 2006  
Bpk Ab 9999. NRM ENH 24.43 min.



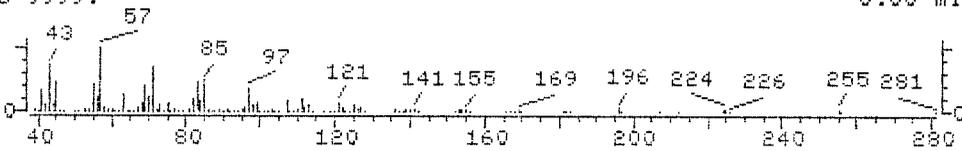
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Bpk Ab 9999. 0.00 min.



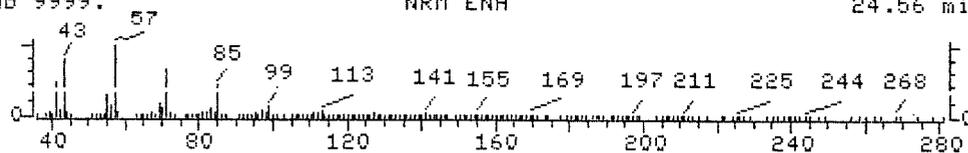
File >BIGDB Tritetracontane (8CI9CI) Scan 6150  
Bpk Ab 9999. 0.00 min.



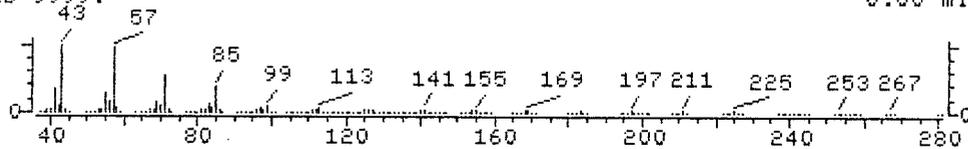
File >BIGDB Ethanol, 2-(hexadecyloxy)- (8CI9CI) Scan 6279  
Bpk Ab 9999. 0.00 min.



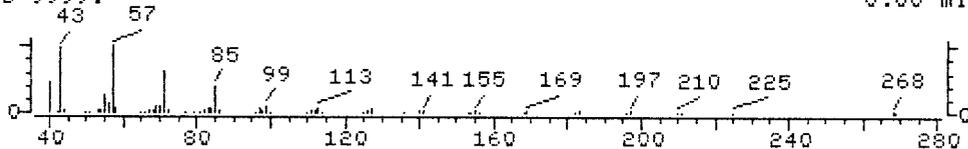
File >V0703 E1005-022A 50.6106 1ML Scan 2018  
Bpk Ab 9999. NRM ENH 24.56 min.



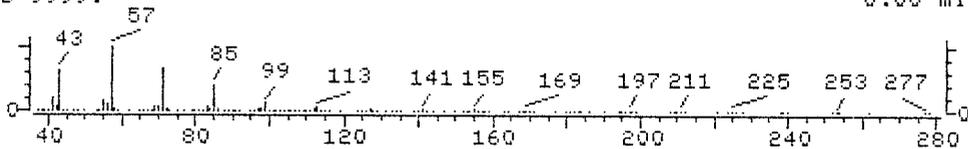
File >B1608 Octacosane (8CI9CI) Scan 6093  
Bpk Ab 9999. 0.00 min.



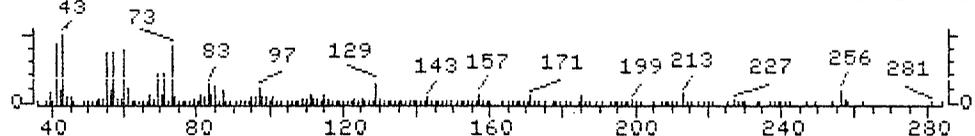
File >B1608 Nonadecane (8CI9CI) Scan 6091  
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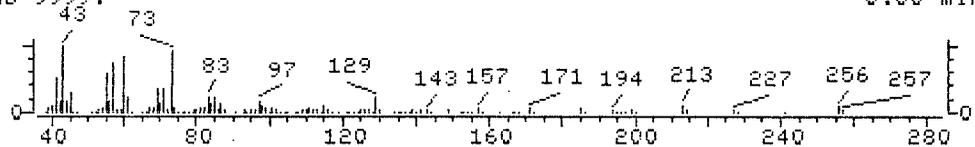
File >B1608 Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene) Scan 6168  
Bpk Ab 9999. 0.00 min.



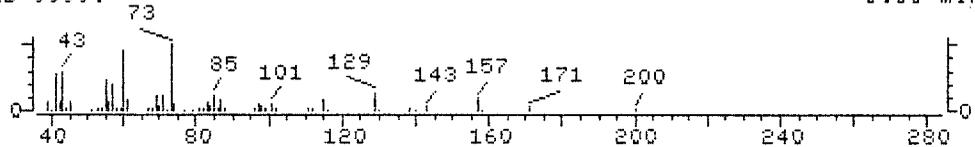
File >V0703 E1005-022A 50.6106 1ML Scan 2078  
Bpk Ab 9999. NRM ENH 25.19 min.



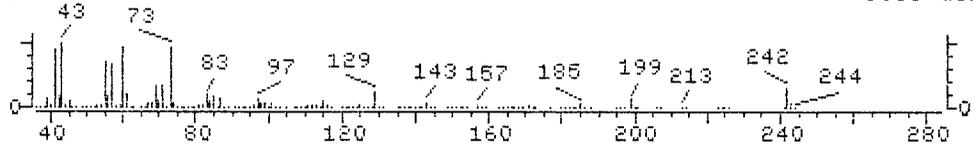
File >B1608 Hexadecanoic acid (9CI) Scan 2008  
Bpk Ab 9999. 0.00 min.



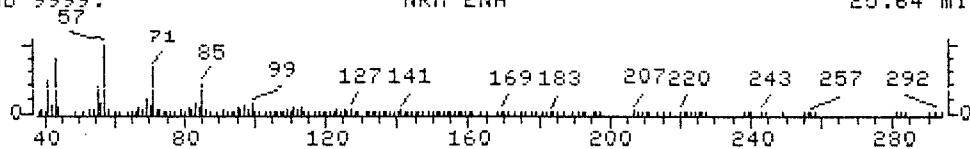
File >B1608 Dodecanamide, N,N-bis(2-hydroxyethyl)- (8CI9CI) Scan 1984  
Bpk Ab 9999. 0.00 min.



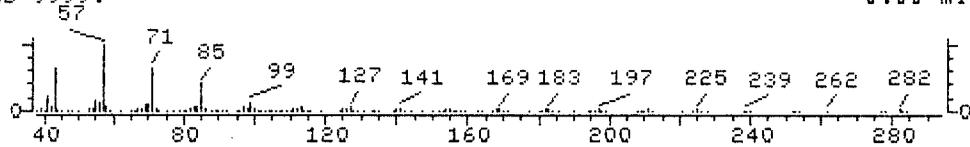
File >B1608 Pentadecanoic acid (8CI9CI) Scan 2007  
Bpk Ab 9999. 0.00 min.



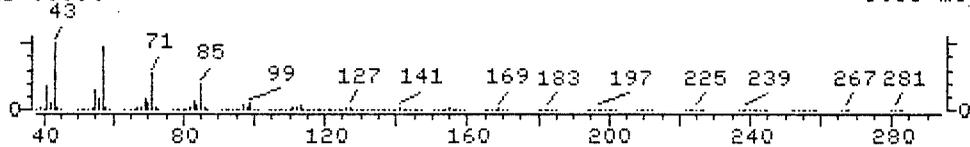
File >V0703 E1005-022A 50.6106 LML Scan 2121  
Bpk Ab 9999. NRM ENH 25.64 min.



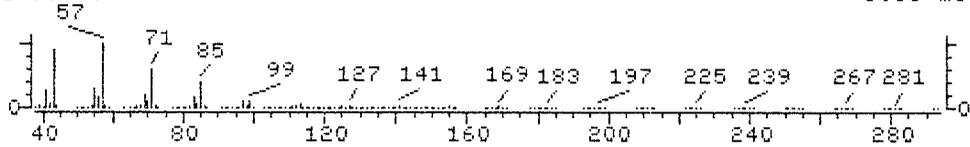
File >BIGDB Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene) Scan 6168  
Bpk Ab 9999. 0.00 min.



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:<br>(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 |
| 17-08-9-----  | Benzo(k)fluoranthene   |                                         | 39    | U |
| 12-32-8-----  | Benzo(a)pyrene         |                                         | 39    | U |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene |                                         | 39    | U |
| 153-70-3----- | Dibenz(a,h)anthracene  |                                         | 39    | U |

QUANT REPORT

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

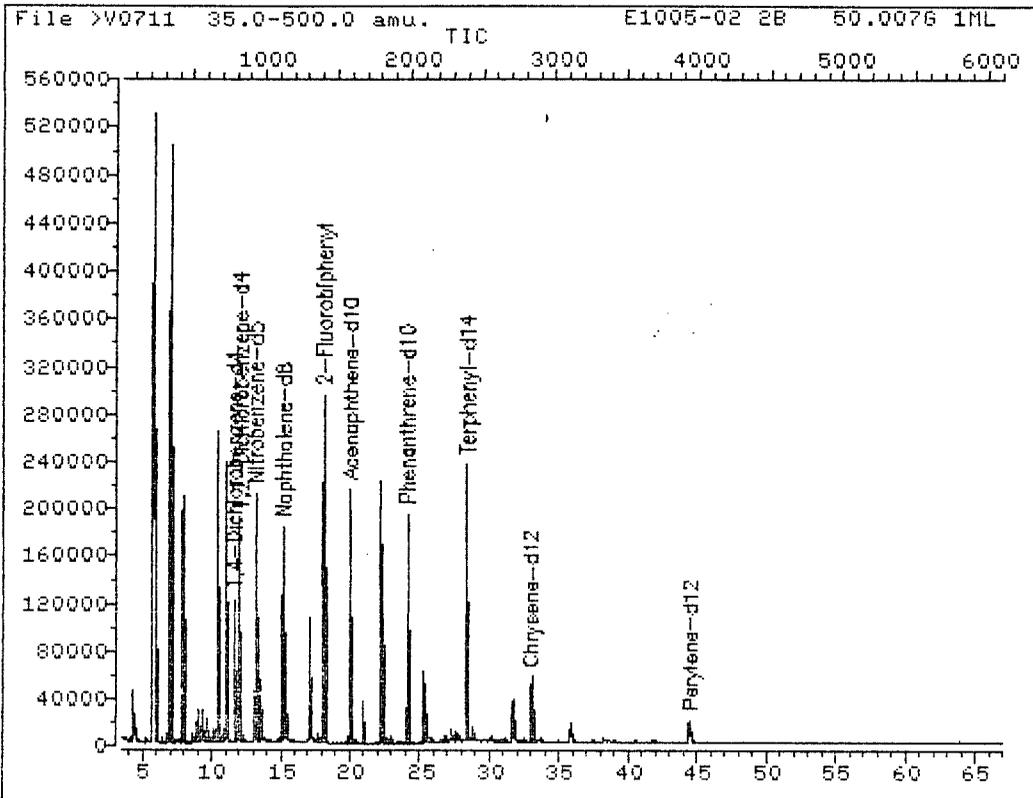
ID File: CLPSEM::SC  
 Title: CLP SEMIVOLATILES  
 Last Calibration: 930806 16:07

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  
Name: E1005-02  
Misc: 2B 50.007G 1ML

Quant Output File: ^V0711::A5  
Instrument ID: MACH-2  
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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|               |                        |                   |  |
|---------------|------------------------|-------------------|--|
| 56-55-3-----  | Benzo(a)anthracene     | 36 <sup>1</sup> U |  |
| 218-01-9----- | Chrysene               | 36 <sup>1</sup> U |  |
| 205-99-2----- | Benzo(b)fluoranthene   | 36 <sup>1</sup> U |  |
| 7-08-9-----   | Benzo(k)fluoranthene   | 36 <sup>1</sup> U |  |
| 0-32-8-----   | Benzo(a)pyrene         | 36 <sup>1</sup> U |  |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene | 36 <sup>1</sup> U |  |
| 53-70-3-----  | Dibenz(a,h)anthracene  | 36 <sup>1</sup> U |  |

0323

## QUANT REPORT

Page 1

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

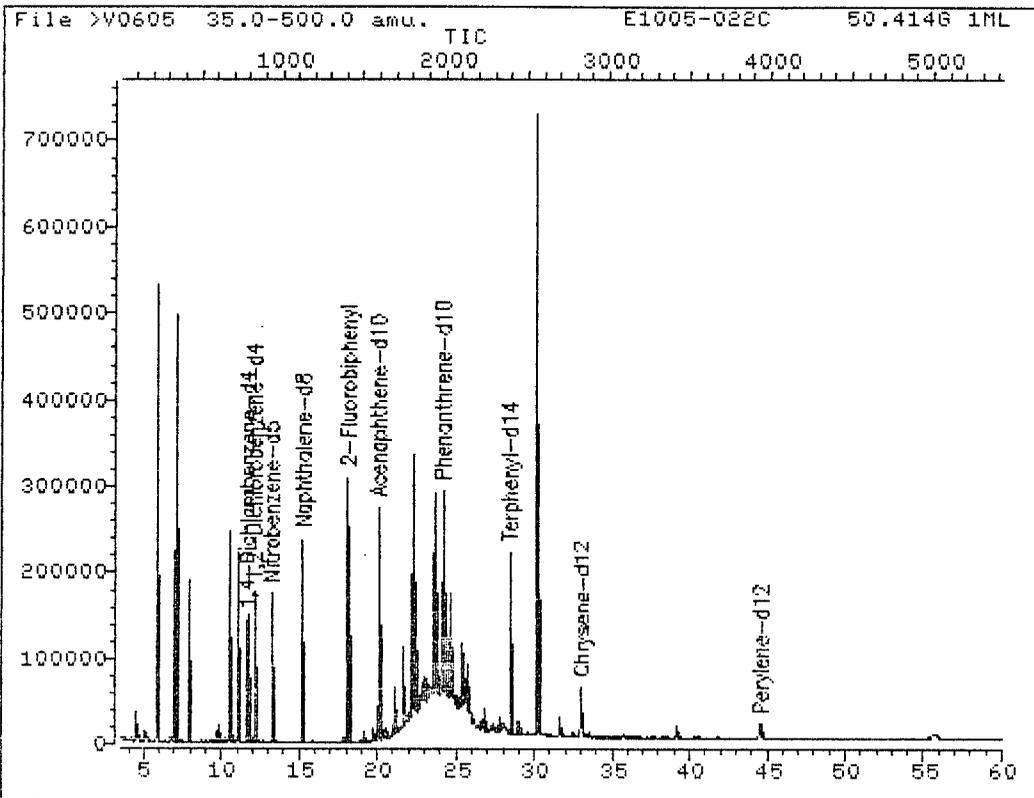
Last Qcal Time: 941006 09:37

| 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

0324

TOTAL ION CHROMATOGRAM



Data File: >V0605

Name: E1005-02

Misc: 2C 50.4146 1ML

Quant Output File: ^V0605::A5

Instrument ID: MACH-2

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |
| 106-46-7 | 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 |
| 106-20-2 | 2,6-Dinitrotoluene           | 258 | U |
| 99-09-2  | 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

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) 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 |
| 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/Kg

| CAS NUMBER   | COMPOUND NAME                   | RT    | EST. CONC. | Q     |
|--------------|---------------------------------|-------|------------|-------|
| 1.           | UNKNOWN HYDROCARBON             | 4.31  |            | 411J  |
| 2.           | AROMATIC HYDROCARBON            | 4.87  |            | 53J   |
| 3.           | ALKYL SUBSTITUTED HYDROCARBON   | 5.69  |            | 6814J |
| 4.           | ALKYL SUBSTITUTED HYDROCARBON   | 6.70  |            | 84J   |
| 5.           | UNKNOWN HYDROCARBON             | 7.01  |            | 3597J |
| 6.           | UNKNOWN HYDROCARBON             | 8.88  |            | 86J   |
| 7.           | UNKNOWN HYDROCARBON             | 9.23  |            | 63J   |
| 8.           | UNKNOWN HYDROCARBON             | 9.40  |            | 58J   |
| 9.           | UNKNOWN HYDROCARBON             | 9.68  |            | 64J   |
| 10.          | UNKNOWN ALKYL ESTER             | 20.92 |            | 88J   |
| 11. 57-10-3  | HEXADECANOIC ACID               | 25.18 |            | 284J  |
| 12.          | ALKYL SUBSTITUTED HYDROCARBON   | 26.59 |            | 56J   |
| 13.          | UNKNOWN HYDROCARBON             | 28.78 |            | 41J   |
| 14. 123-79-5 | HEXANEDIOIC ACID, DIOCTYL ESTER | 30.01 |            | 3297J |
| 15.          |                                 |       |            |       |
| 16.          |                                 |       |            |       |
| 17.          |                                 |       |            |       |
| 18.          |                                 |       |            |       |
| 19.          |                                 |       |            |       |
| 20.          |                                 |       |            |       |
| 21.          |                                 |       |            |       |
| 22.          |                                 |       |            |       |
| 23.          |                                 |       |            |       |
| 24.          |                                 |       |            |       |
| 25.          |                                 |       |            |       |
| 26.          |                                 |       |            |       |
| 27.          |                                 |       |            |       |
| 28.          |                                 |       |            |       |
| 29.          |                                 |       |            |       |
| 30.          |                                 |       |            |       |

## QUANT REPORT

Page 1

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

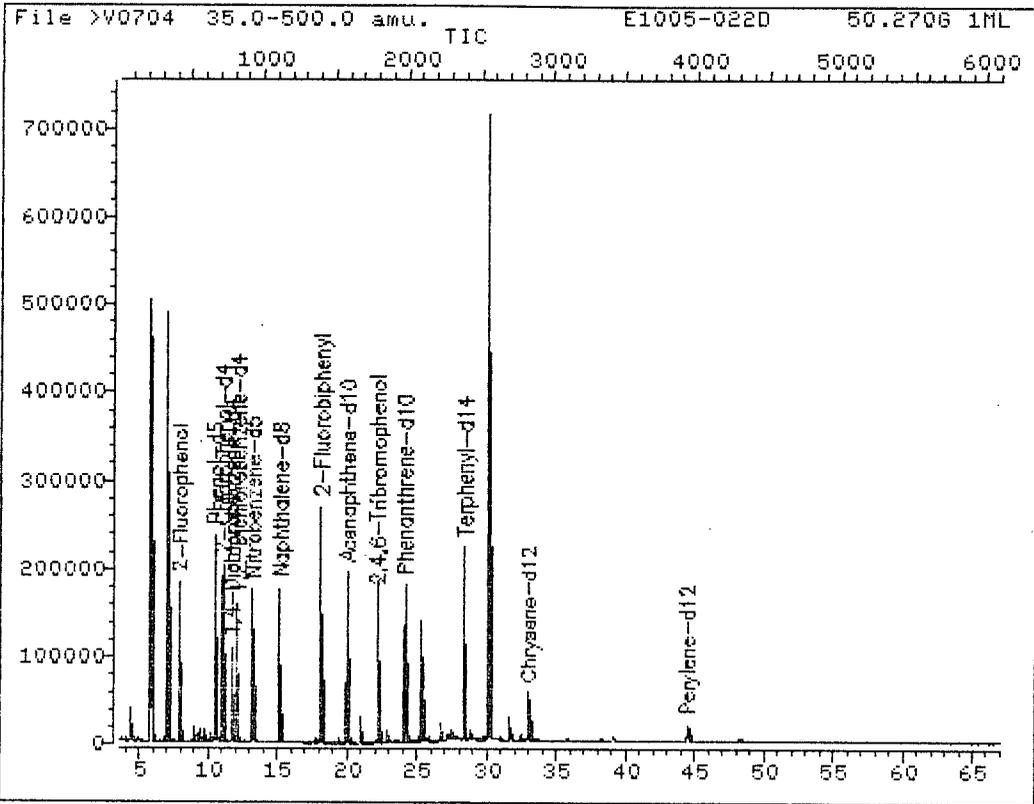
Last Qcal Time: 941007 11:43

| 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

0329

TOTAL ION CHROMATOGRAM



Data File: >V0704

Name: E1005-02

Misc: 2D 50.270G 1ML

Quant Output File: ^V0704::A5

Instrument ID: MACH-2

BTL# 5

Id File: CLPSEM::SC

Title: CLP SEMIVOLATILES

Last Calibration: 930806 16:07

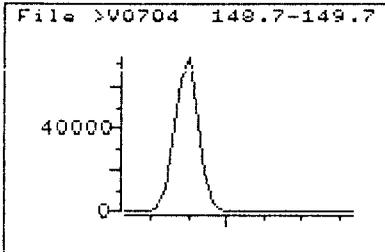
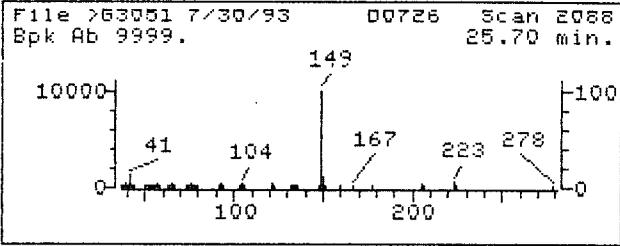
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Operator ID: ANDY

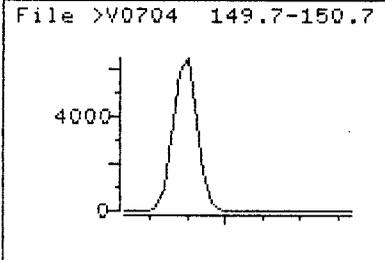
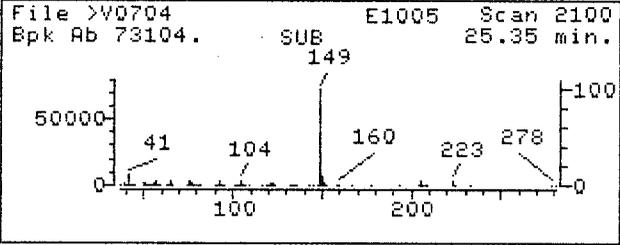
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Injected at: 941007 14:39

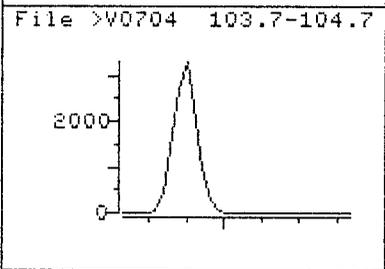
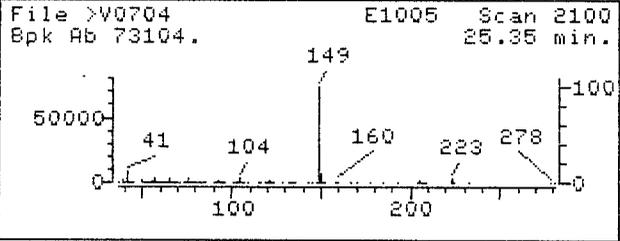
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

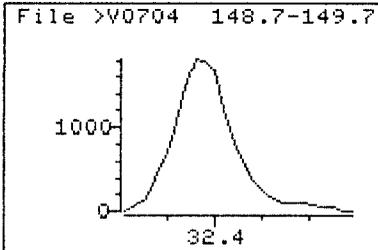
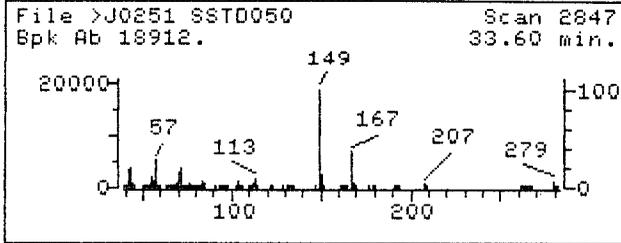


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Misc: 2D 50.270G 1ML  
Quant Time: 941010 08:56  
Injected at: 941007 14:39  
Last Qcal Time: 941007 11:43

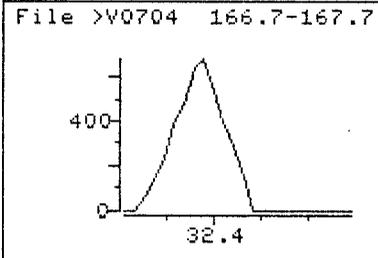
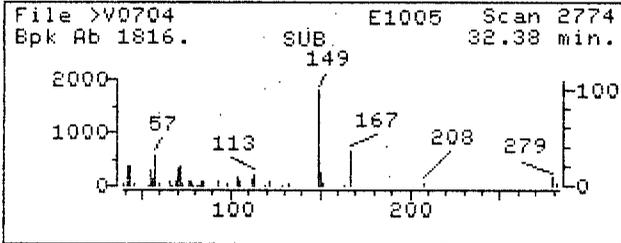
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Instrument ID: MACH-2  
BTL# 5  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

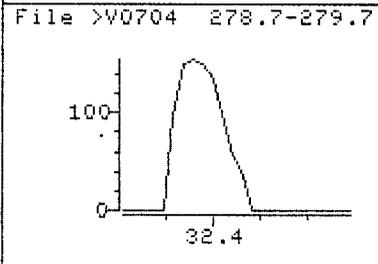
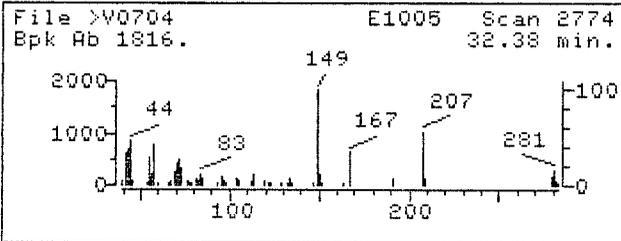
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

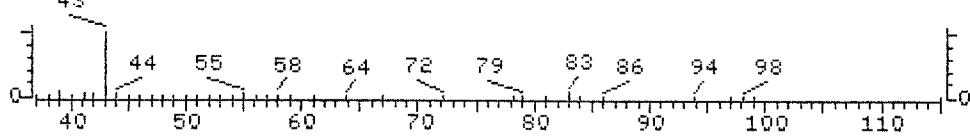


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Misc: 2D 50.270G 1ML  
Quant Time: 941010 08:56  
Injected at: 941007 14:39  
Last Qcal Time: 941007 11:43

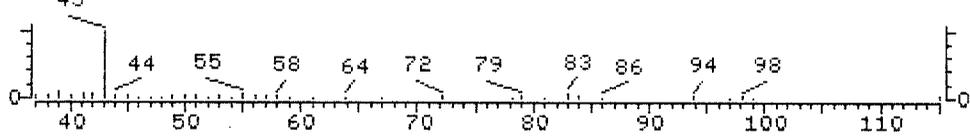
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Instrument ID: MACH-2  
BTL# 5  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

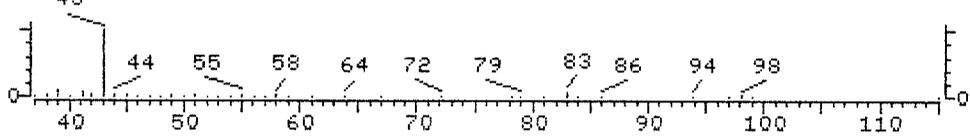
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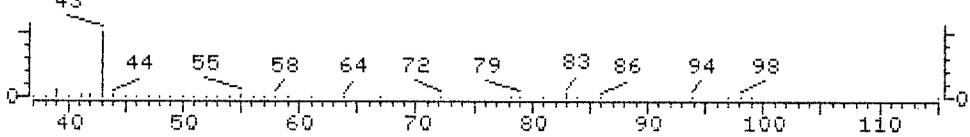
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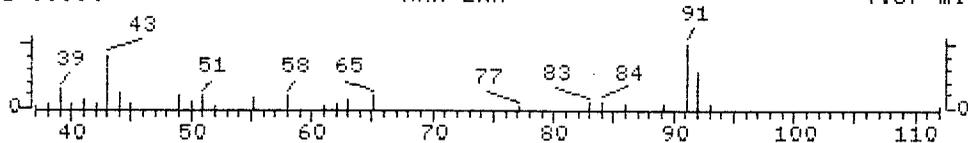
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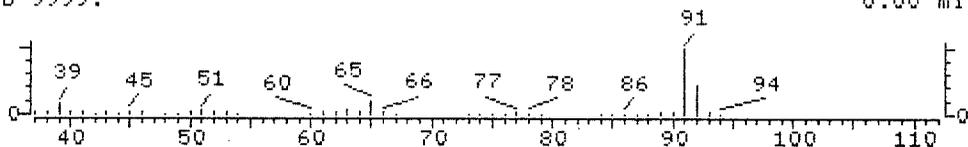
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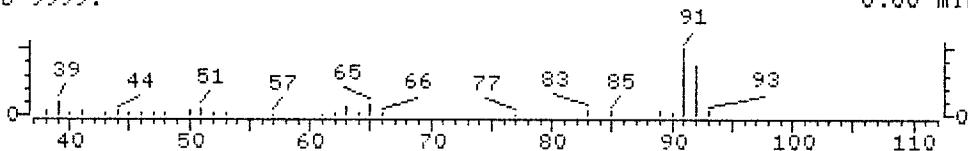
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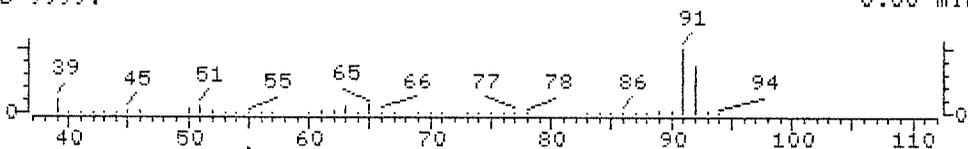
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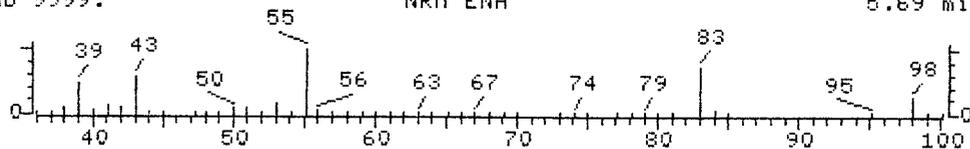


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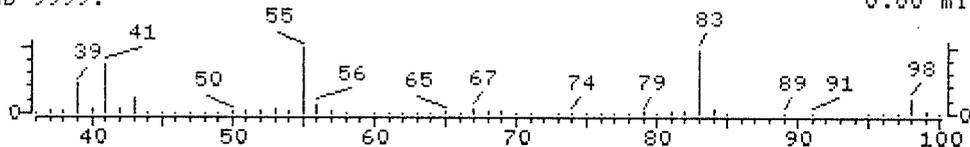


0334  
0334

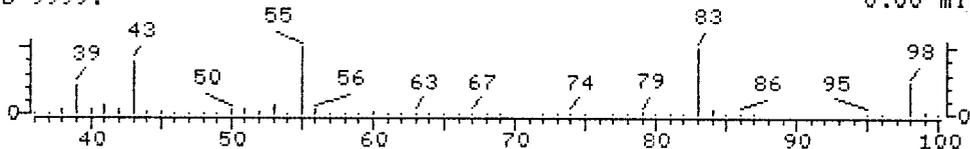
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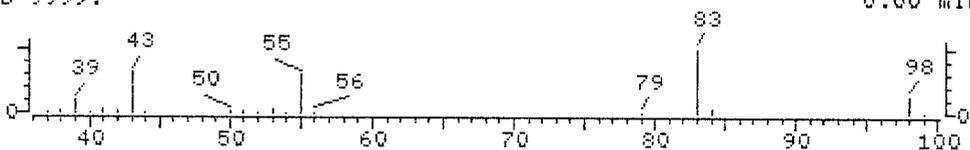
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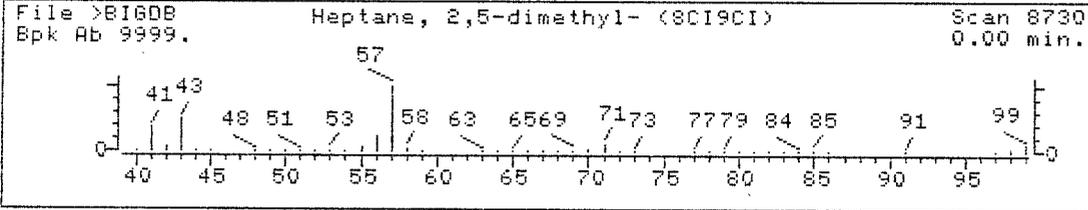
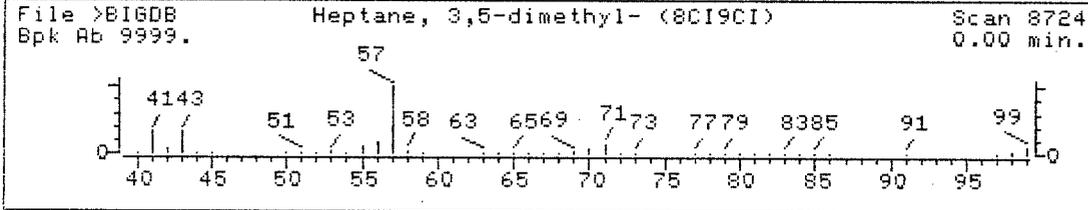
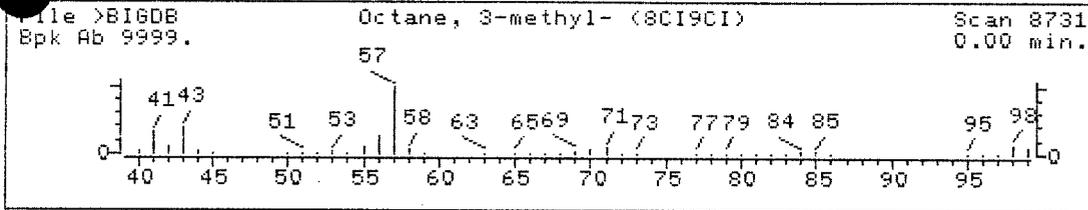
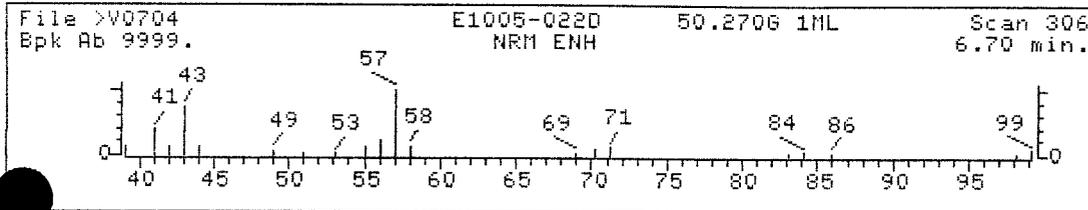


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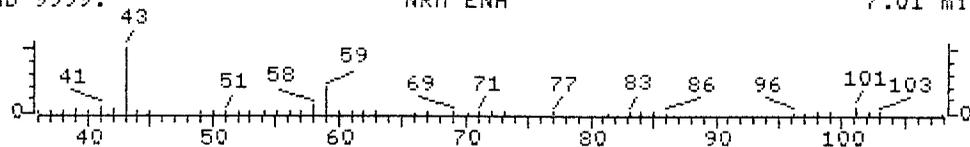


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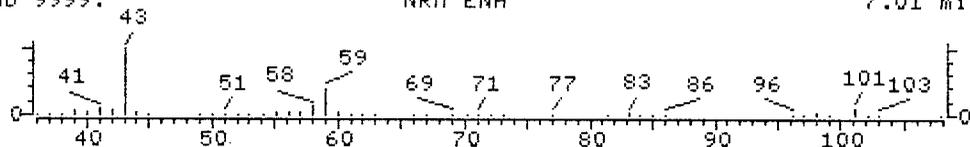




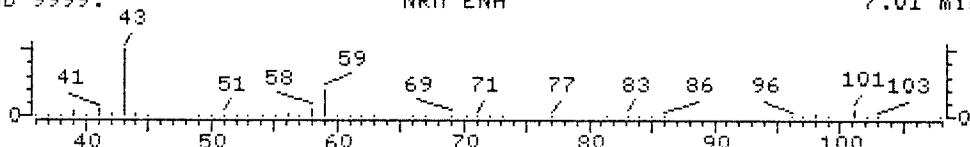
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Bpk Ab 9999. NRM ENH 7.01 min.



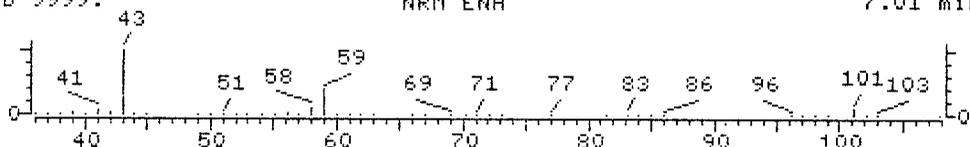
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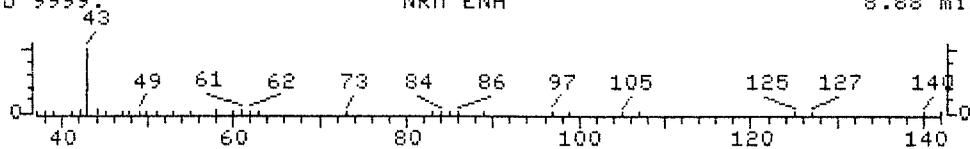
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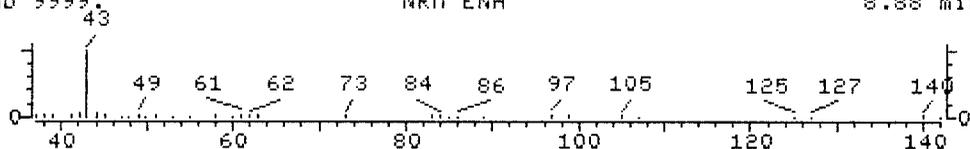
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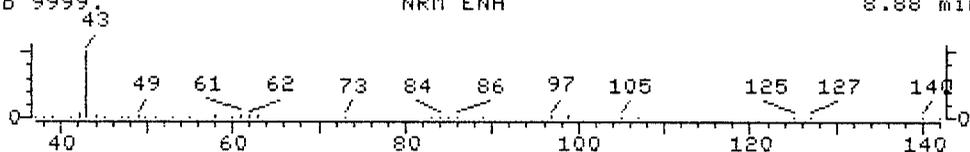
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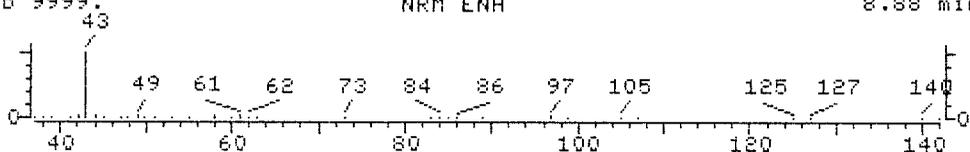
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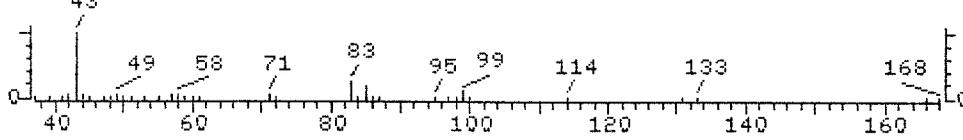
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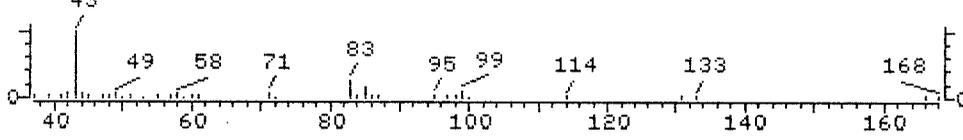
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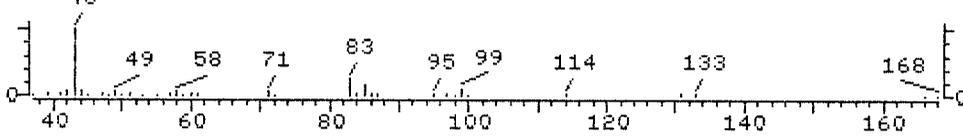
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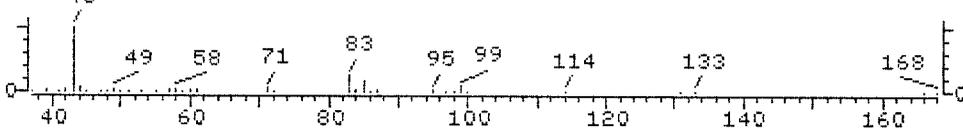
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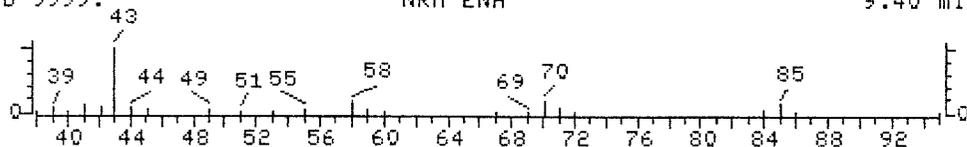
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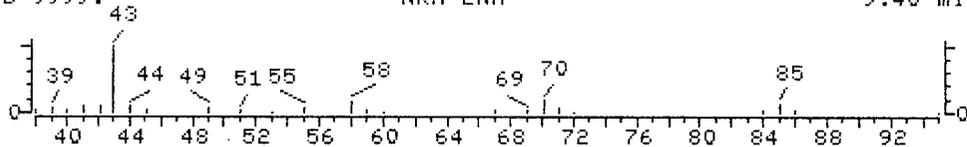
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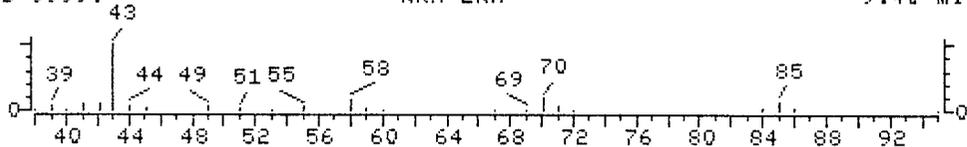
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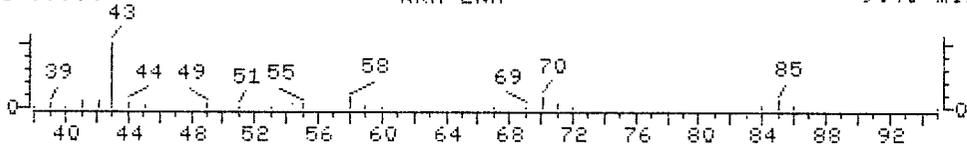
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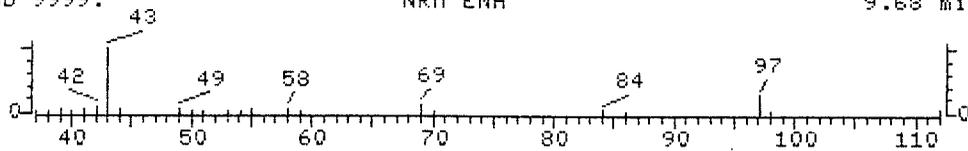
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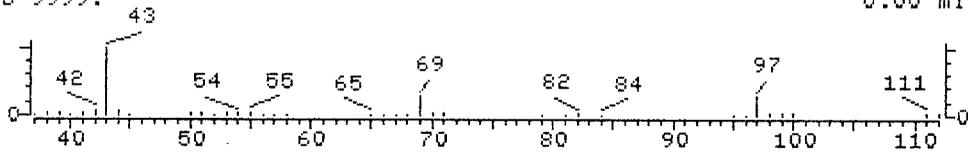
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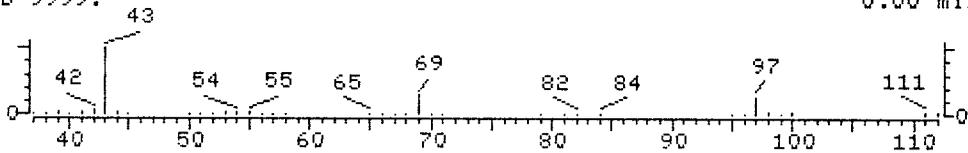
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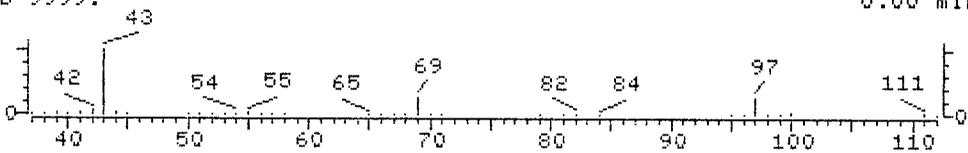
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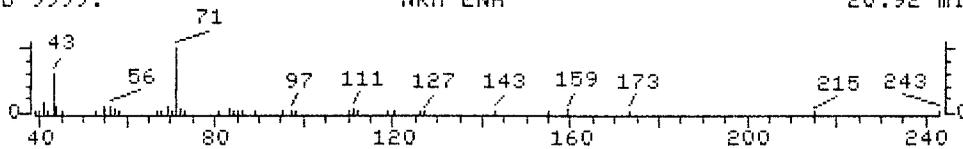
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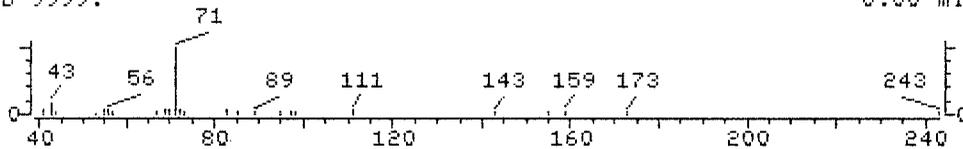
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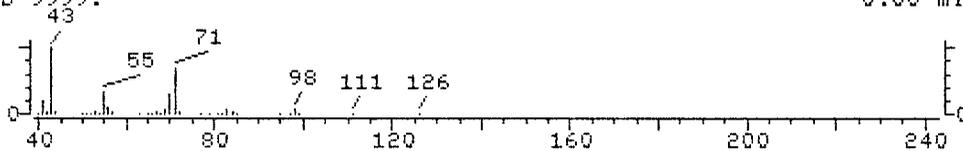
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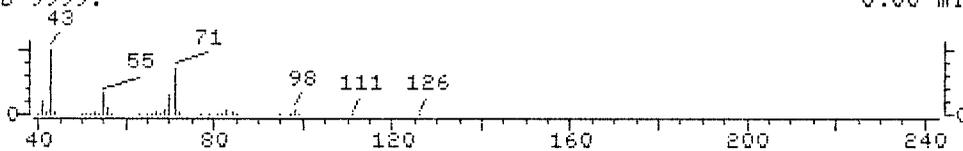
File >BIGDB Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)- Scan 3943  
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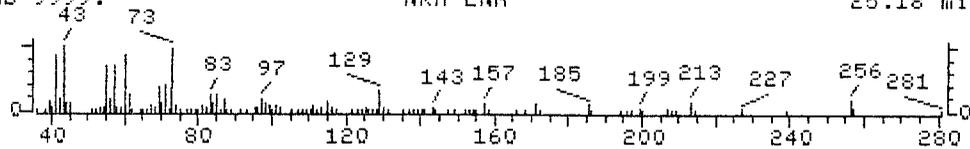
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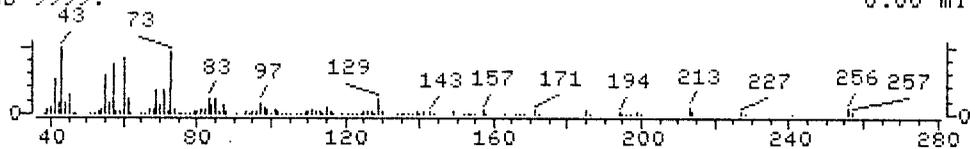
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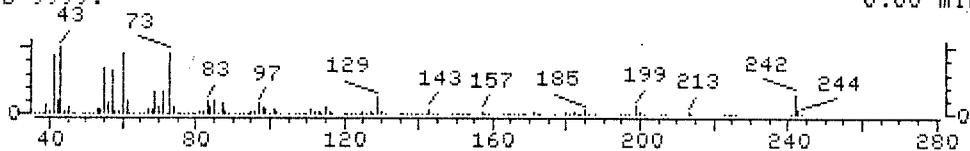
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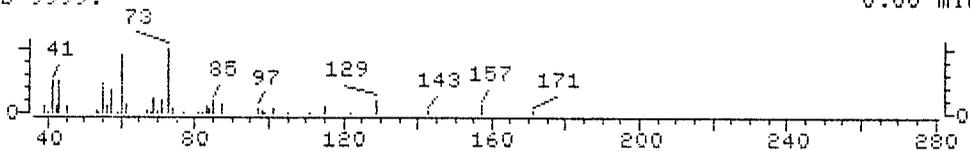
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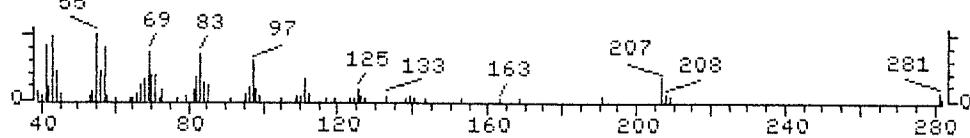
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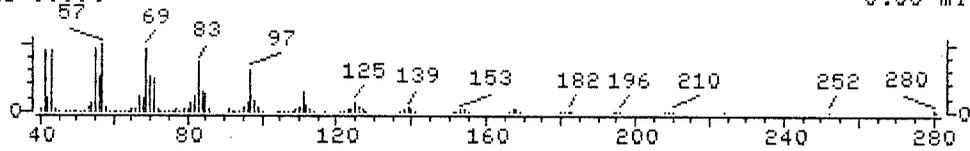
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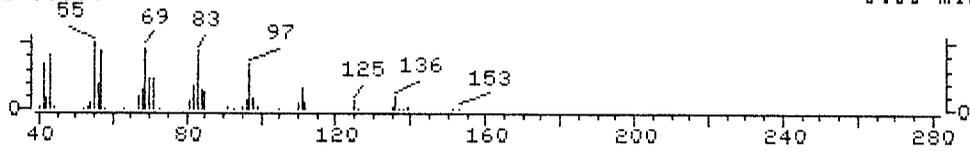
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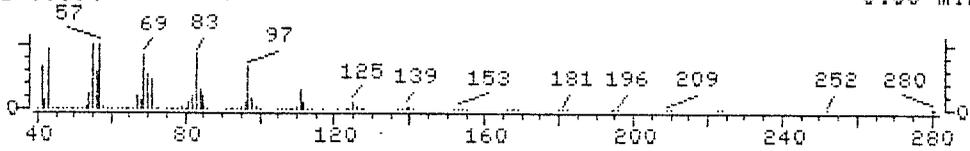
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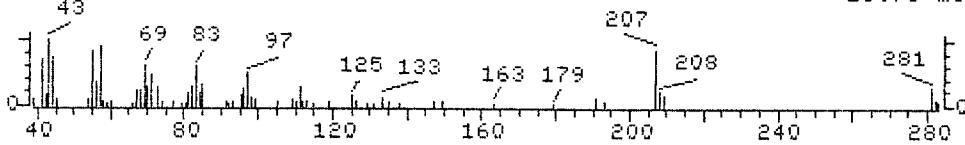
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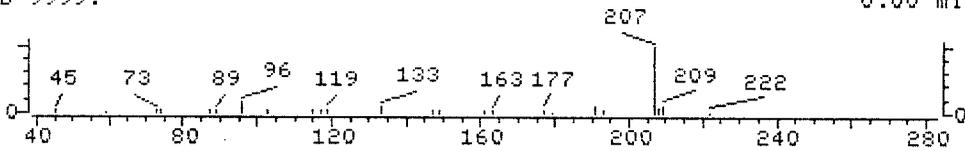
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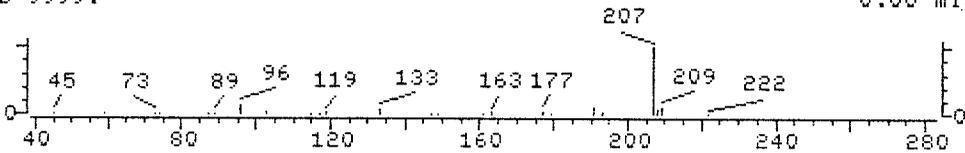
File >V0704 E1005-0220 50.2706 1ML Scan 2429  
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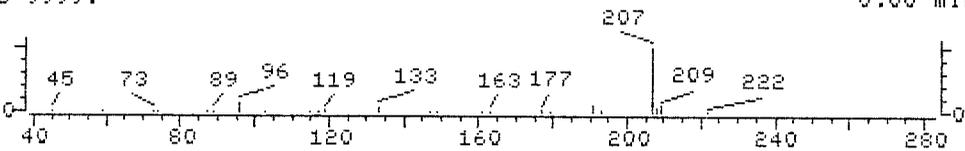
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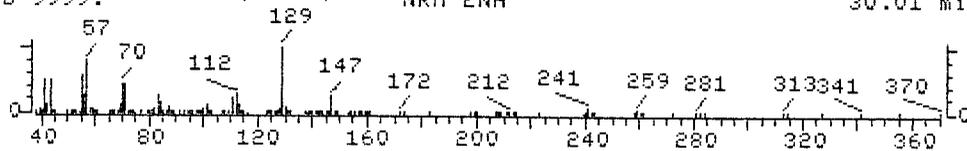
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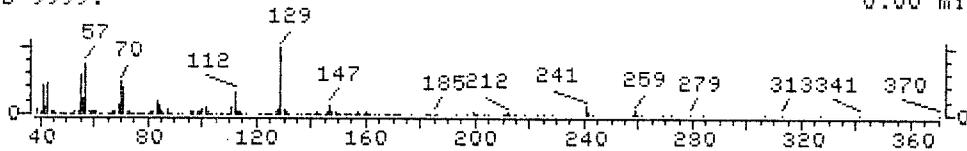
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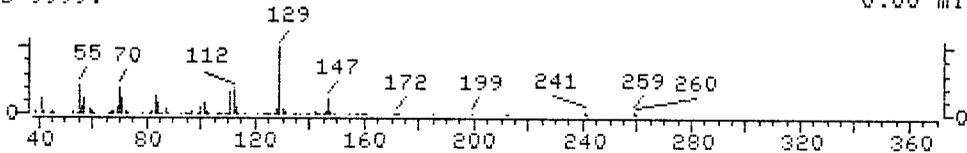
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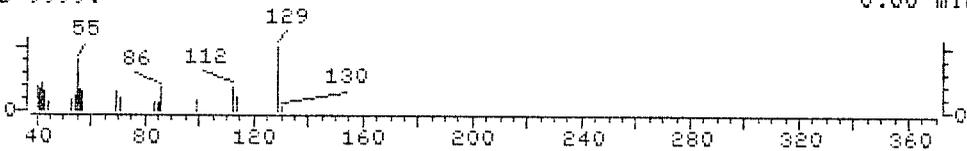
File >BIG08 Hexanedioic acid, dioctyl ester (9CI) Scan 13849  
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File >BIG08 Hexanedioic acid, mono(2-ethylhexyl)ester (9CI) Scan 13850  
Bpk Ab 9999. 0.00 min.



File >BIG08 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:<br>(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    |   |
| 27-08-9  | Benzo(k)fluoranthene   |                                         | 29    | J |
| 150-32-8 | 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

## QUANT REPORT

Page 1

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

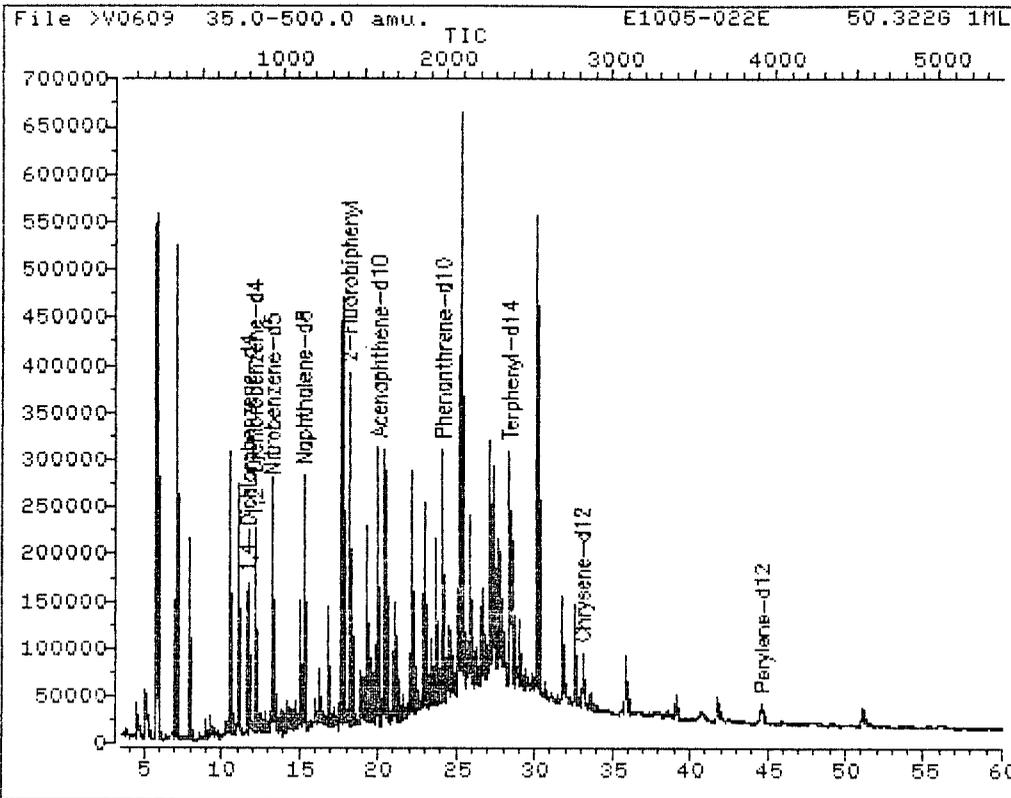
Last Qcal Time: 941006 09:37

| 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 |
| 5) Benzo(a)pyrene          | 44.05 | 252.0 | 3860   | 1.30  | UG/ML | 55 |

\* Compound is ISTD

0348

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

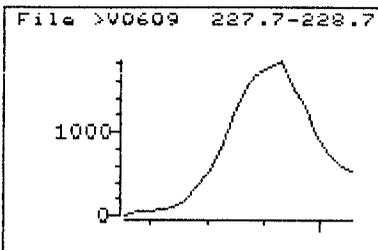
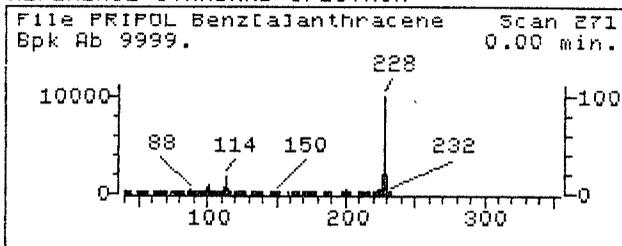
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Operator ID: ANDY

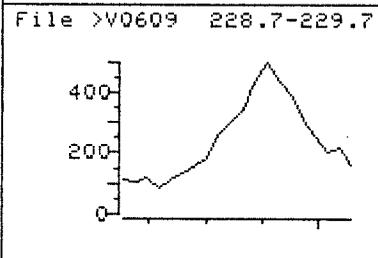
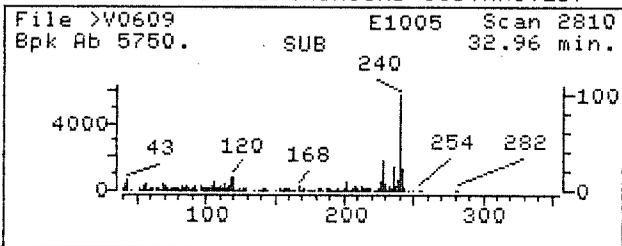
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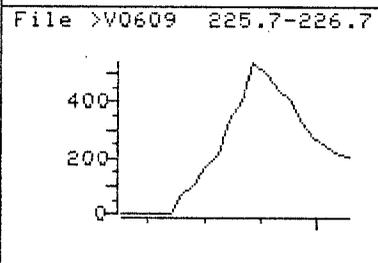
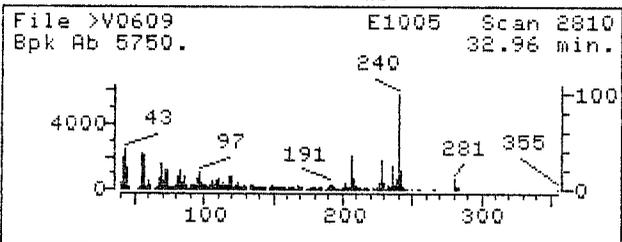
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

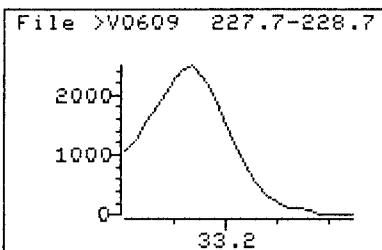
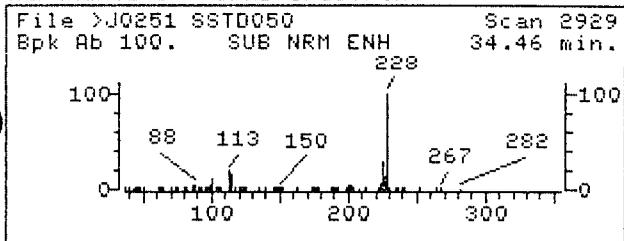


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Misc: 2E 50.322G 1ML  
Quant Time: 941006 19:59  
Injected at: 941006 18:31  
Last Qcal Time: 941006 09:37

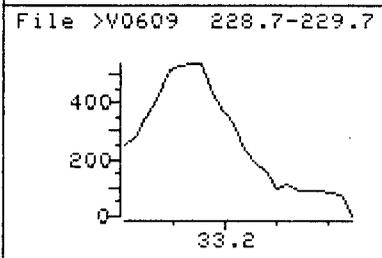
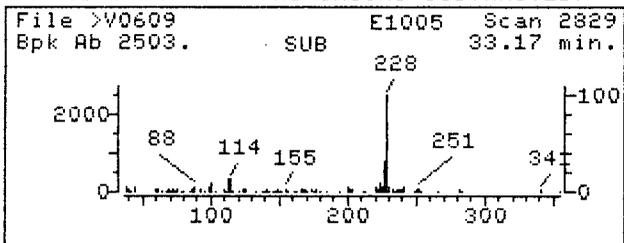
Quant Output File: ^V0609::A5  
Instrument ID: MACH-2  
BTL#10  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

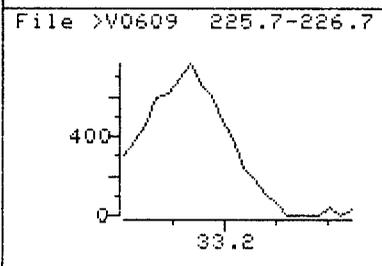
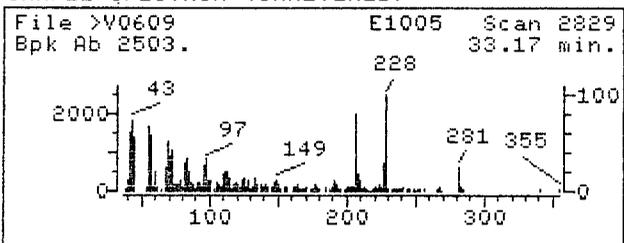
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

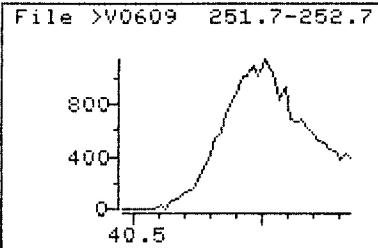
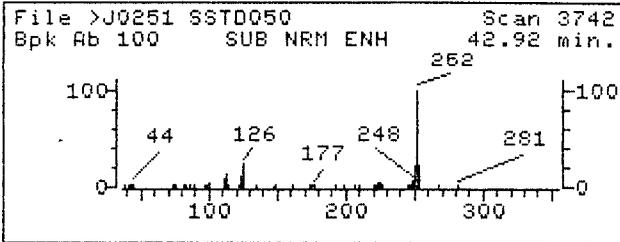


Data File: >V0609  
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Misc: 2E 50.322G 1ML  
Quant Time: 941006 19:59  
Injected at: 941006 18:31  
Last Qcal Time: 941006 09:37

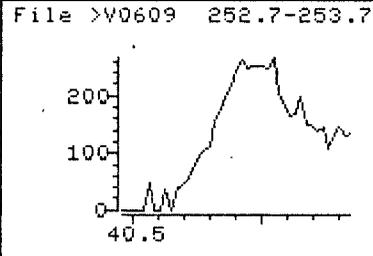
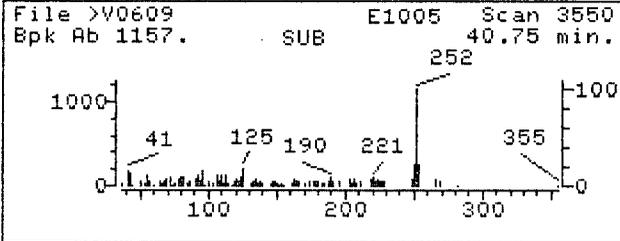
Quant Output File: ^V0609::A5  
Instrument ID: MACH-2  
BTL#10  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

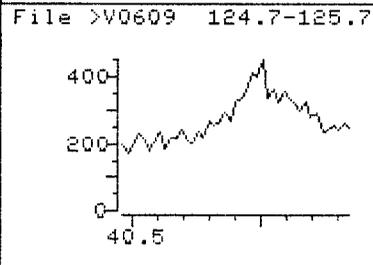
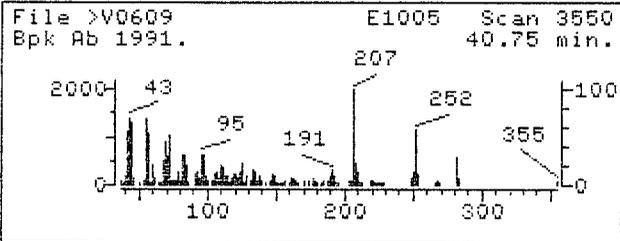
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

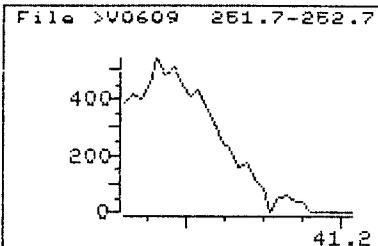
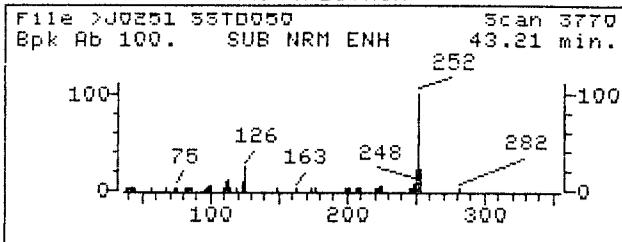


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Misc: 2E 50.322G 1ML  
Quant Time: 941006 19:59  
Injected at: 941006 18:31  
Last Qcal Time: 941006 09:37

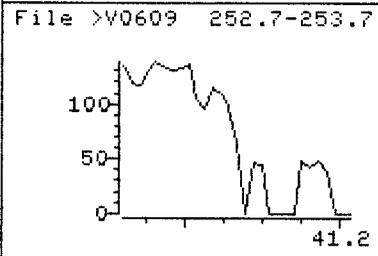
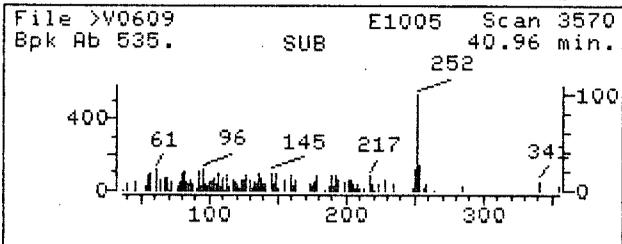
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Instrument ID: MACH-2  
BTL#10  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

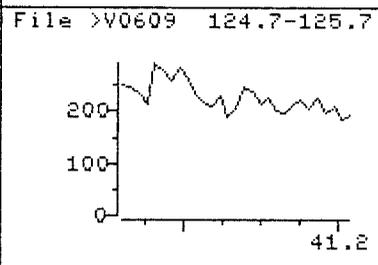
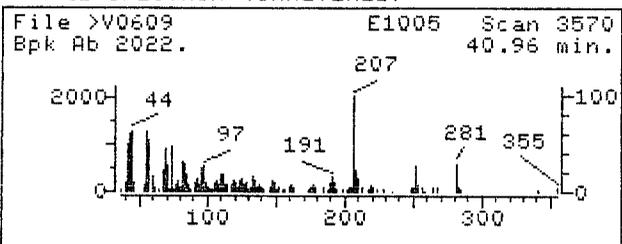
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

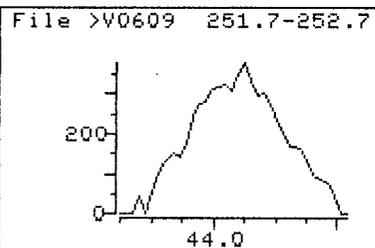
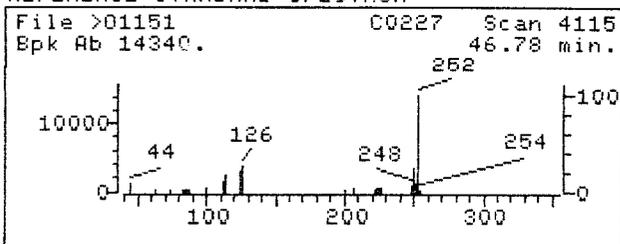


Data File: >V0609  
Name: E1005-02  
Misc: 2E 50.322G 1ML  
Quant Time: 941006 19:59  
Injected at: 941006 18:31  
Last Qcal Time: 941006 09:37

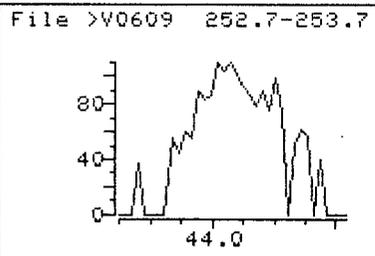
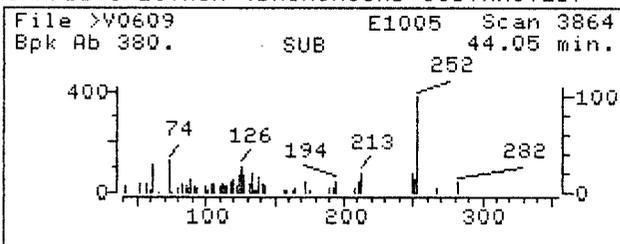
Quant Output File: ^V0609::A5  
Instrument ID: MACH-2  
BTL#10  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

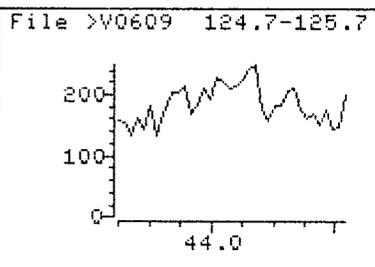
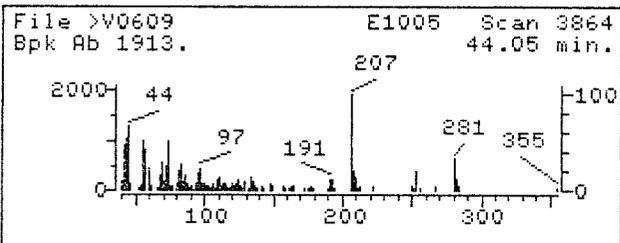
REFERENCE STANDARD SPECTRUM



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:<br>(ug/L or ug/Kg) | ug/Kg           | Q |
|----------|------------------------|-----------------------------------------|-----------------|---|
| 56-55-3  | Benzo(a)anthracene     |                                         | 36 <sup>U</sup> |   |
| 218-01-9 | Chrysene               |                                         | 36 <sup>U</sup> |   |
| 205-99-2 | Benzo(b)fluoranthene   |                                         | 36 <sup>U</sup> |   |
| 7-08-9   | Benzo(k)fluoranthene   |                                         | 36 <sup>U</sup> |   |
| 50-32-8  | Benzo(a)pyrene         |                                         | 36 <sup>U</sup> |   |
| 193-39-5 | Indeno(1,2,3-cd)pyrene |                                         | 36 <sup>U</sup> |   |
| 53-70-3  | Dibenz(a,h)anthracene  |                                         | 36 <sup>U</sup> |   |

QUANT REPORT

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

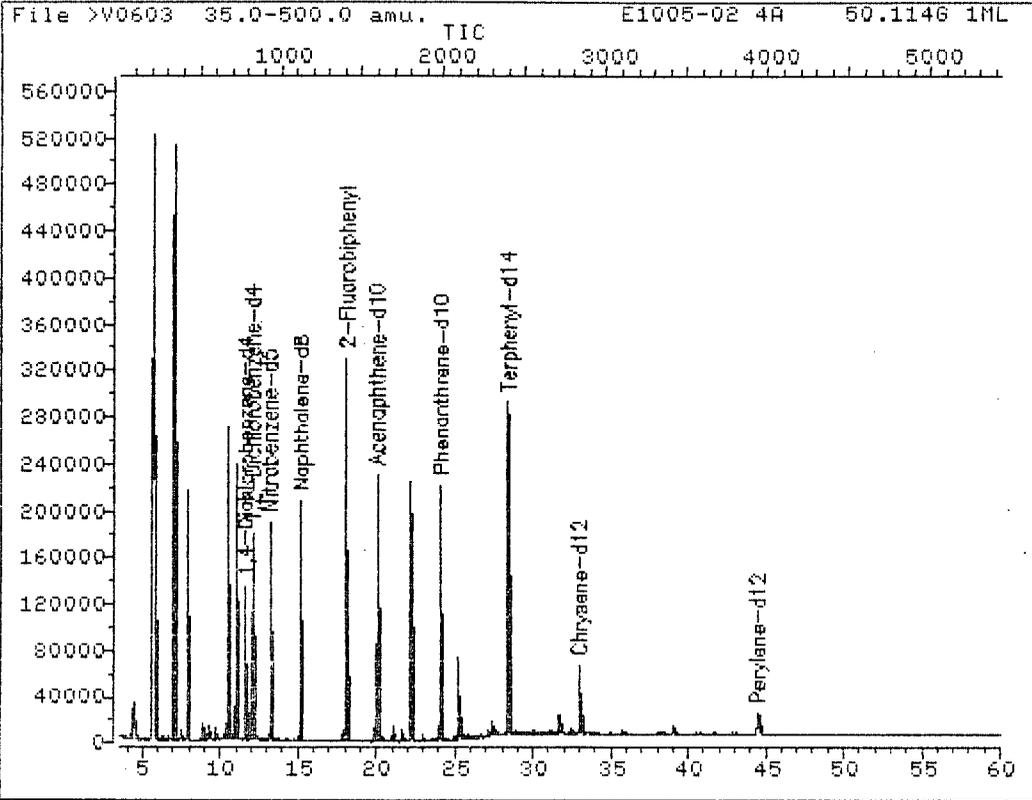
ID File: CLPSEM::SC  
 Title: CLP SEMIVOLATILES  
 Last Calibration: 930806 16:07

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  
Name: E1005-02  
Misc: 4A 50.114G 1ML

Quant Output File: ^V0603::A5  
Instrument ID: MACH-2

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:<br>(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

## QUANT REPORT

Page 1

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

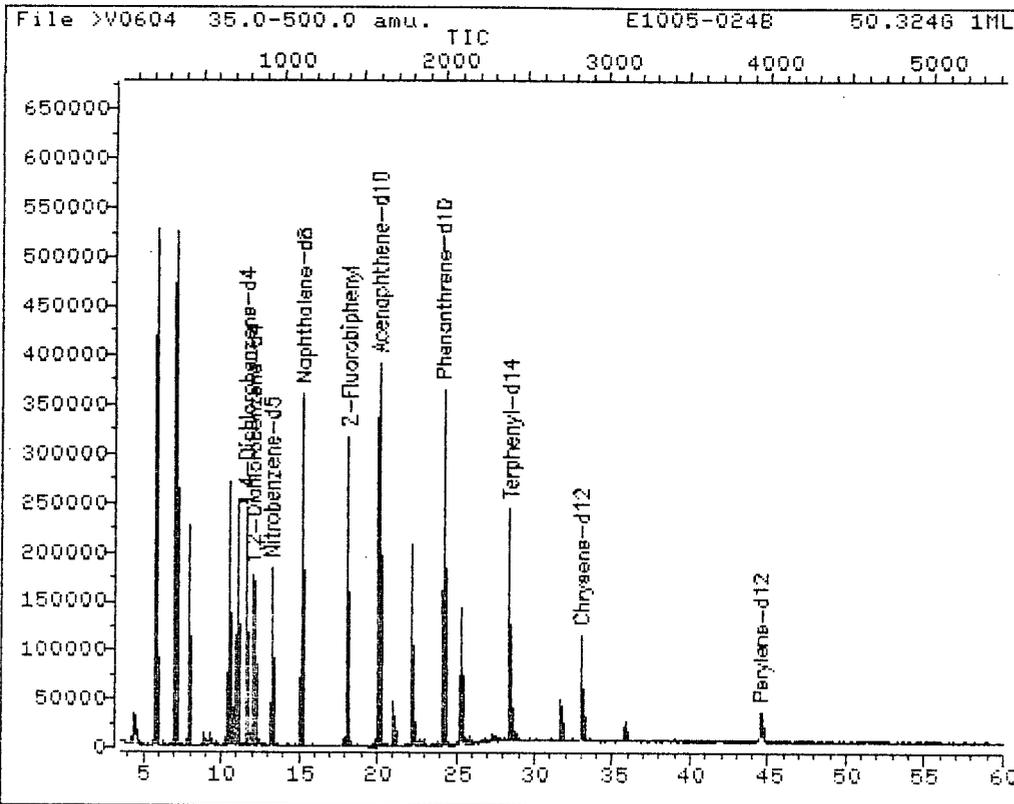
Last Qcal Time: 941006 09:37

| 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

0359

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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 |
| 11-73-1  | 1,3-Dichlorobenzene          | 245 | U |
| 106-46-7 | 1,4-Dichlorobenzene          | 245 | U |
| 195-50-1 | 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 |
| 191-20-3 | Naphthalene                  | 245 | U |
| 106-47-8 | 4-Chloroaniline              | 245 | U |
| 187-68-3 | Hexachlorobutadiene          | 245 | U |
| 59-50-7  | 4-Chloro-3-methylphenol      | 245 | U |
| 191-57-6 | 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 |
| 106-20-2 | 2,6-Dinitrotoluene           | 245 | U |
| 109-2    | 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

CONCENTRATION UNITS:

CAS NO. COMPOUND (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  |
| 111-14-2  | 2,4-Dinitrotoluene         | 245 | U  |
| 166-2     | 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  |
| 153-70-3  | 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/Kg  
(ug/L or ug/Kg)

| CAS NUMBER  | COMPOUND NAME                 | RT    | EST. CONC. | Q      |
|-------------|-------------------------------|-------|------------|--------|
| 1.          | UNKNOWN HYDROCARBON           | 4.31  |            | 3951J  |
| 2.          | UNKNOWN ALKYL ALCOHOL         | 4.45  |            | 2151J  |
| 3.          | ALKYL SUBSTITUTED HYDROCARBON | 5.73  |            | 71121J |
| 4.          | ALKYL SUBSTITUTED HYDROCARBON | 6.71  |            | 1101J  |
| 5.          | UNKNOWN ALKYL ALCOHOL         | 7.03  |            | 39831J |
| 6.          | UNKNOWN ALKYL ALCOHOL         | 8.88  |            | 1271J  |
| 7.          | UNKNOWN ALKYL ALCOHOL         | 9.40  |            | 1011J  |
| 8.          | UNKNOWN ALKYL ALCOHOL         | 12.22 |            | 1571J  |
| 9.          | UNKNOWN HYDROCARBON           | 18.84 |            | 771J   |
| 10.         | UNKNOWN ALKYL ESTER           | 20.91 |            | 1031J  |
| 11.         | UNKNOWN HYDROCARBON           | 21.02 |            | 741J   |
| 12.         | UNKNOWN HYDROCARBON           | 22.89 |            | 981J   |
| 13.         | UNLKNOWN CARBOXYLIC ACID      | 24.48 |            | 521J   |
| 14. 57-10-3 | HEXADECANOIC ACID             | 25.19 |            | 3981J  |
| 15.         | UNKNOWN HYDROCARBON           | 28.81 |            | 1091J  |
| 16.         | UNKNOWN ALKYL ALCOHOL         | 31.60 |            | 2471J  |
| 17.         | UNKNOWN HYDROCARBON           | 35.68 |            | 1731J  |
| 18.         | UNKNOWN HYDROCARBON           | 38.99 |            | 3621J  |
| 19.         | UNKNOWN HYDROCARBON           | 41.61 |            | 2151J  |
| 20.         | UNKNOWN HYDROCARBON           | 50.79 |            | 2781J  |
| 21.         |                               |       |            |        |
| 22.         |                               |       |            |        |
| 23.         |                               |       |            |        |
| 24.         |                               |       |            |        |
| 25.         |                               |       |            |        |
| 26.         |                               |       |            |        |
| 27.         |                               |       |            |        |
| 28.         |                               |       |            |        |
| 29.         |                               |       |            |        |
| 30.         |                               |       |            |        |

QUANT REPORT

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

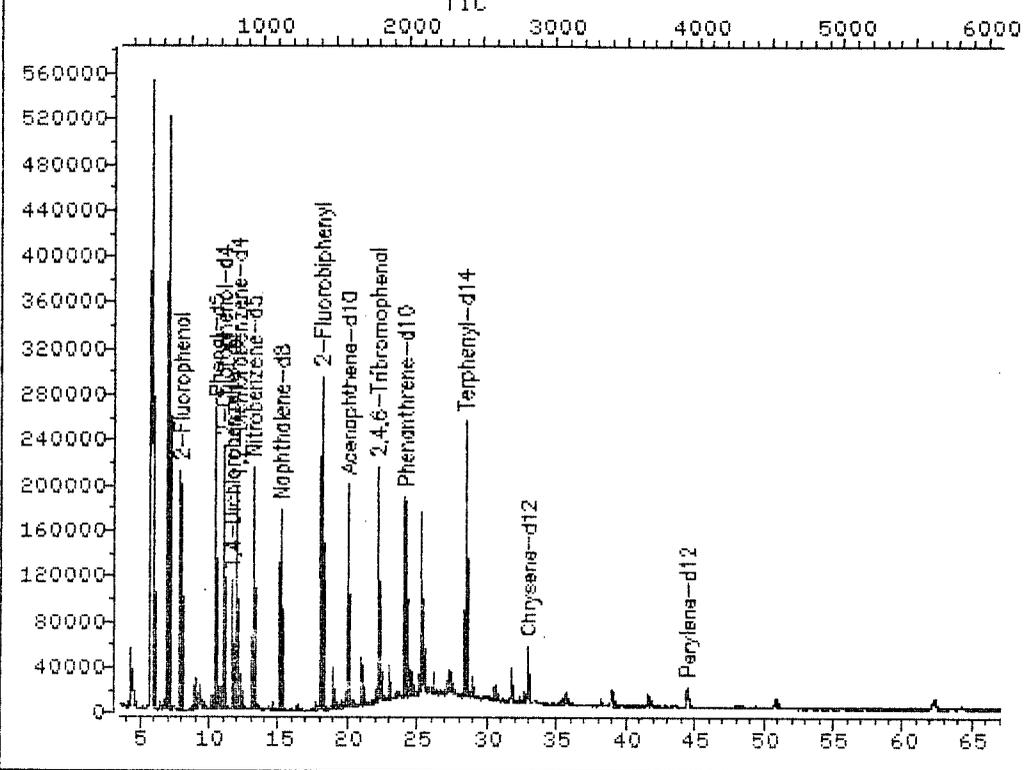
Last Qcal Time: 941007 11:43

| Compound                   | R.T.  | Q ion | Area   | Conc  | Units | g  |
|----------------------------|-------|-------|--------|-------|-------|----|
| 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

File >V0705 35.0-500.0 amu. TIC E1005-024C 50.3936 1ML



Data File: >V0705

Name: E1005-02

Misc: 4C 50.3936 1ML

Quant Output File: ^V0705::A5

Instrument ID: MACH-2

BTL# 6

Id File: CLPSEM::SC

Title: CLP SEMIVOLATILES

Last Calibration: 930806 16:07

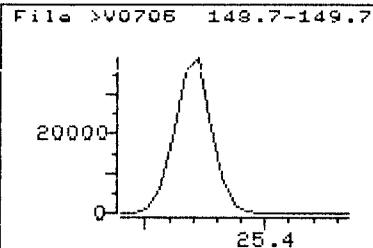
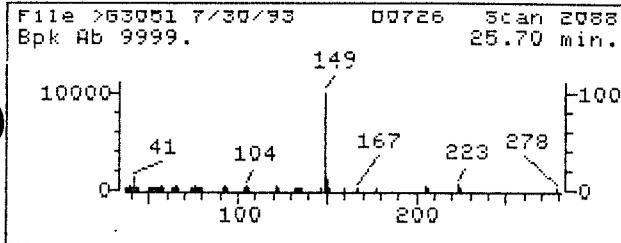
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Operator ID: ANDY

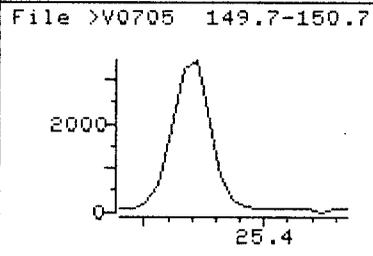
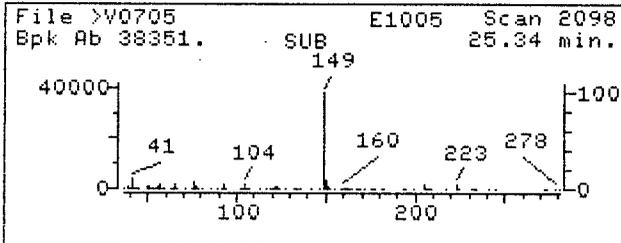
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Injected at: 941007 15:52

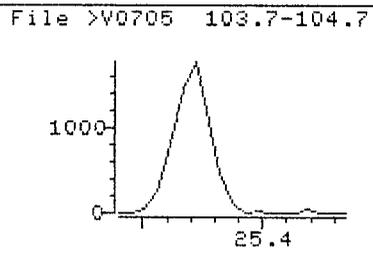
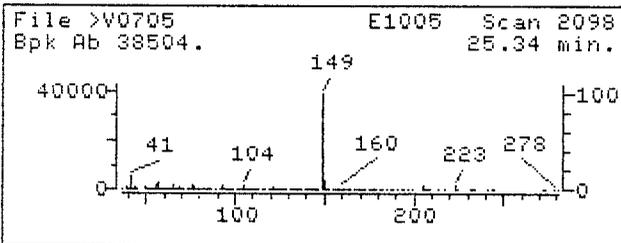
REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

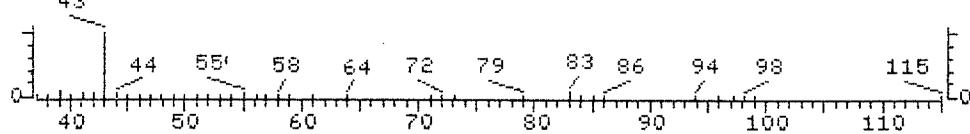


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Misc: 4C 50.393G 1ML  
Quant Time: 941010 09:00  
Injected at: 941007 15:52  
Last Qcal Time: 941007 11:43

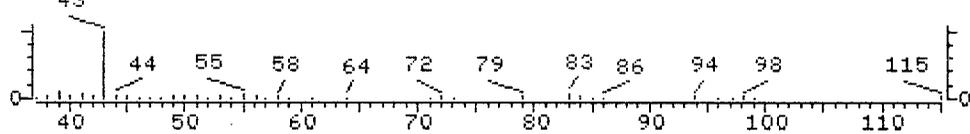
Quant Output File: ^V0705::A5  
Instrument ID: MACH-2  
BTL# 6  
Quant ID File: CLPSEM::SC  
Last Calibration: 930806 16:07

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

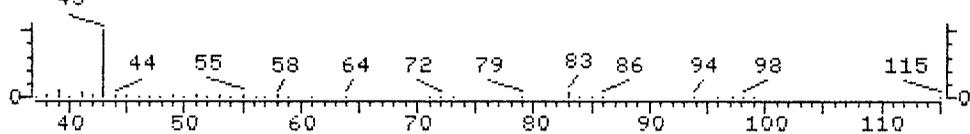
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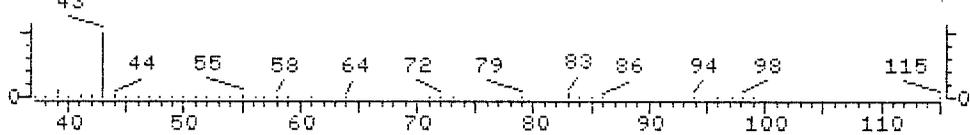
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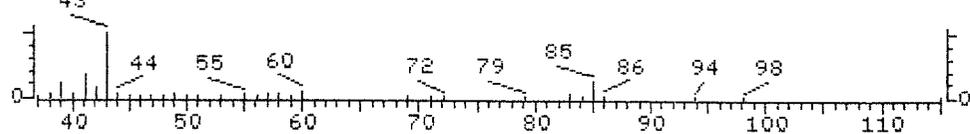
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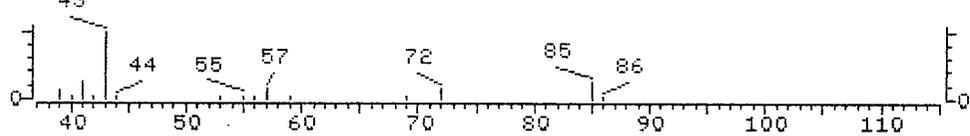
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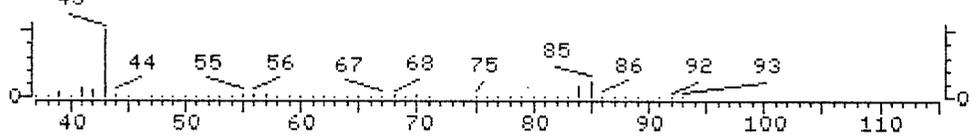
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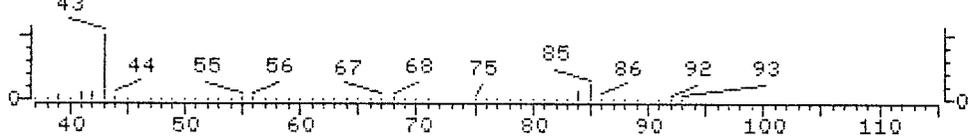
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Bpk Ab 9999. 0.00 min.



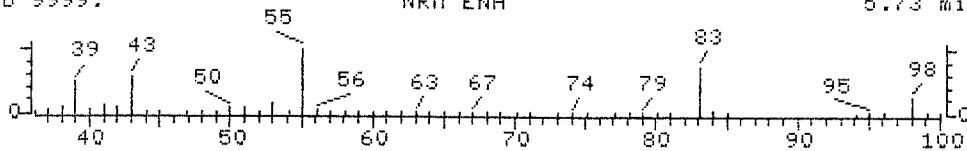
File >BIGDB Pyrrolidine, 3-methyl- (8CI9CI) Scan 5939  
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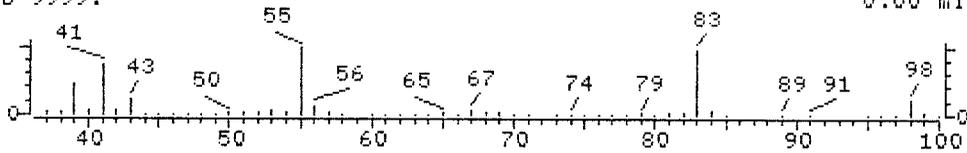
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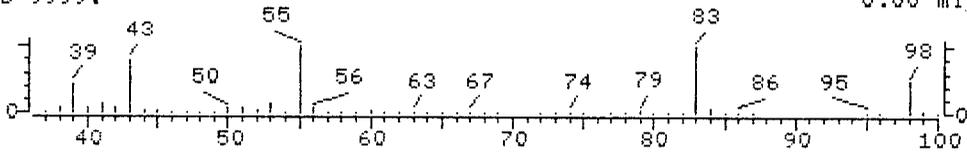
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Bpk Ab 9999. NRM ENH 5.73 min.



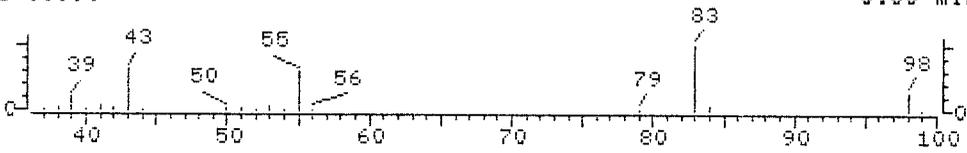
File >B1608 Cyclopropane, 1,1,2,2-tetramethyl- (8CI9CI) Scan 5593  
Bpk Ab 9999. 0.00 min.



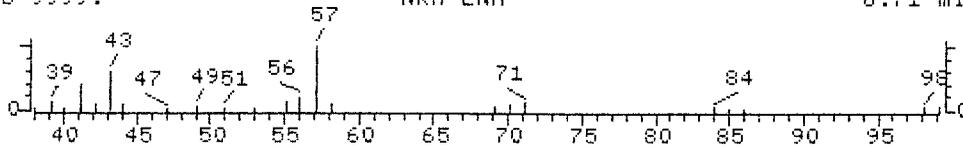
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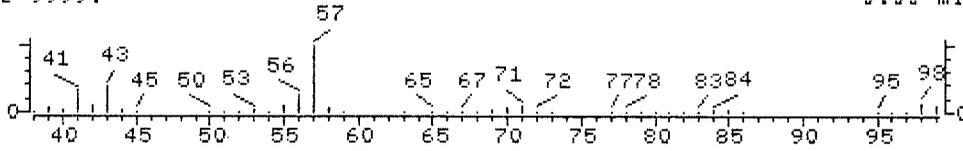
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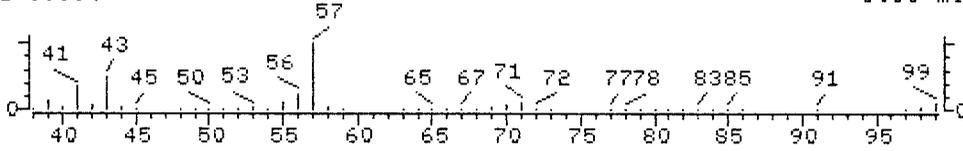
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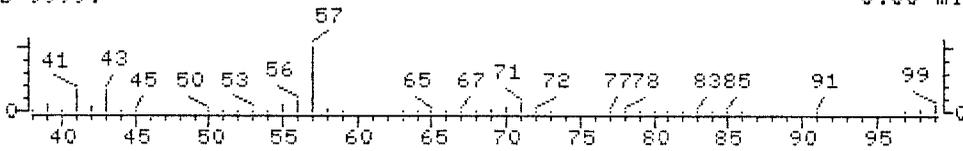
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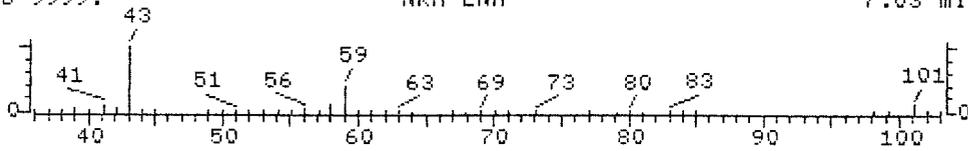
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Bpk Ab 9999. 0.00 min.



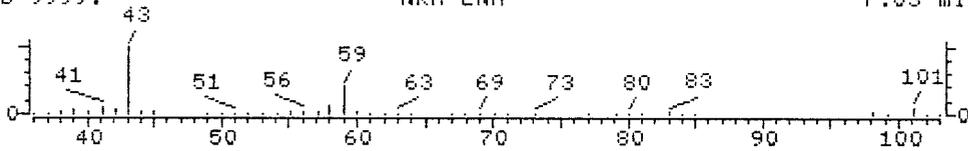
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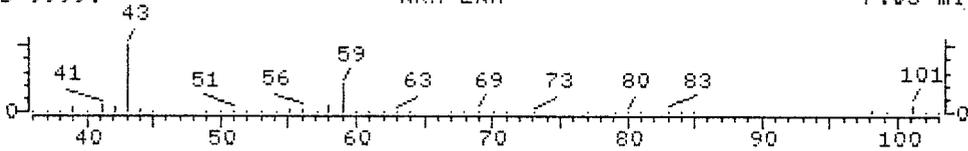
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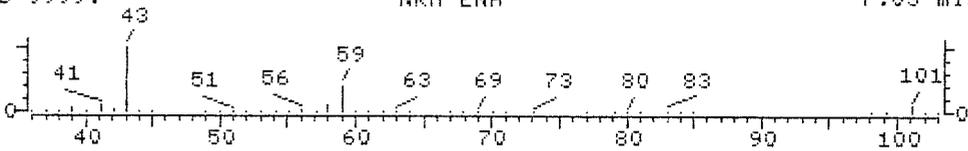
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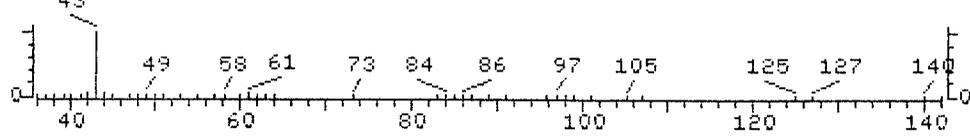
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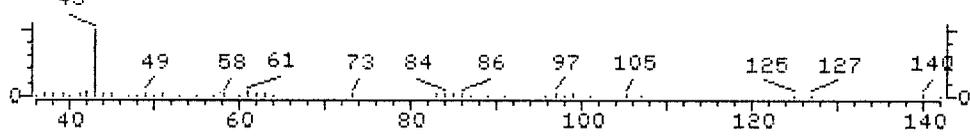
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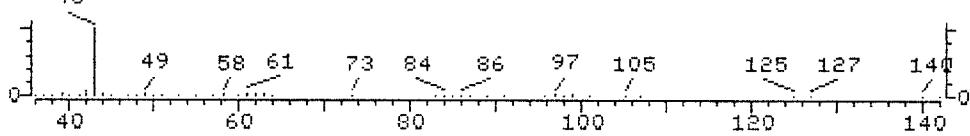
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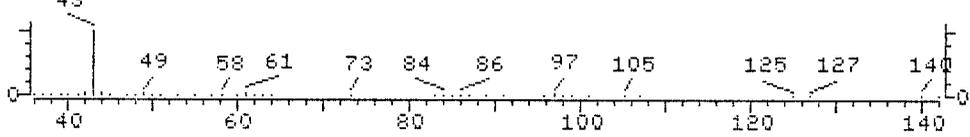
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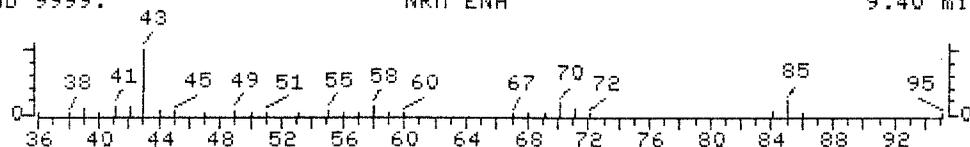
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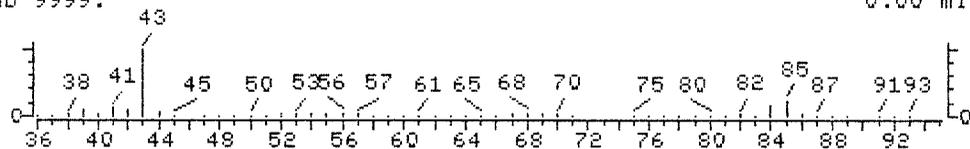
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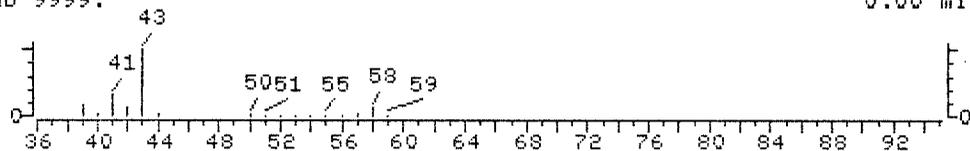
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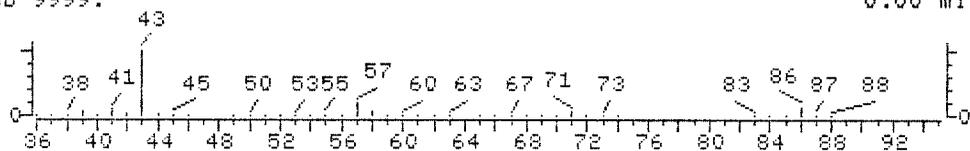
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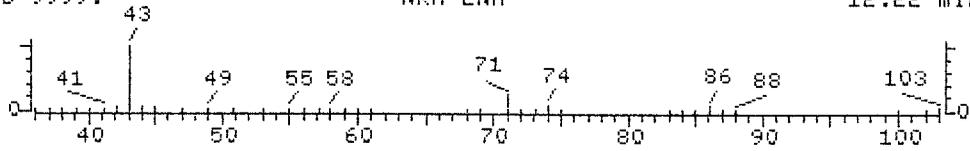
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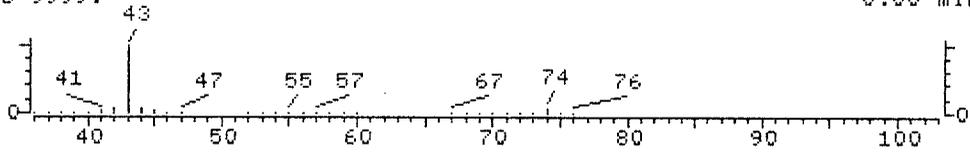
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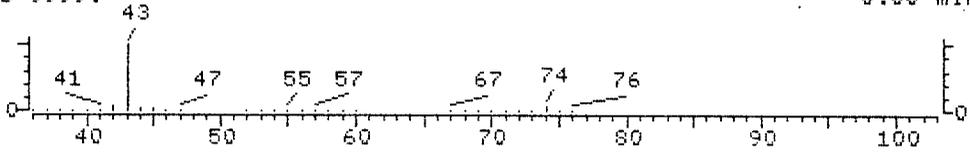
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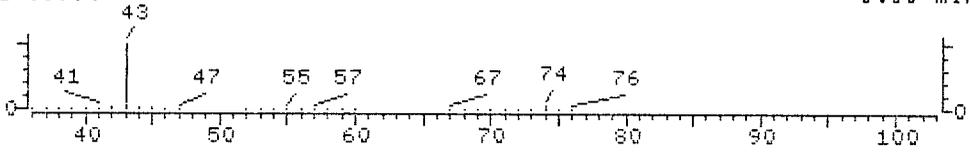
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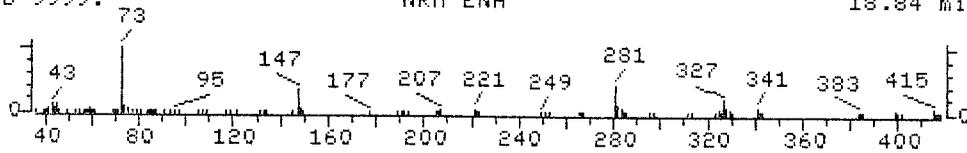
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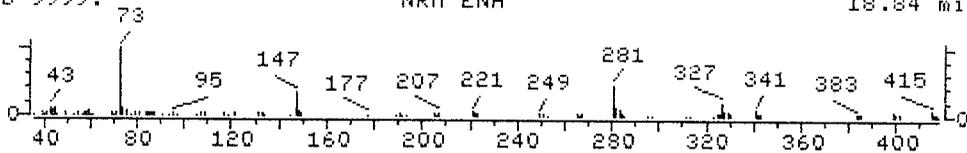
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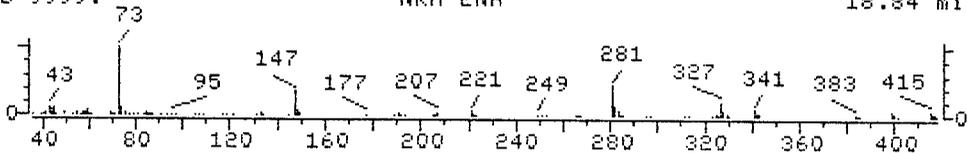
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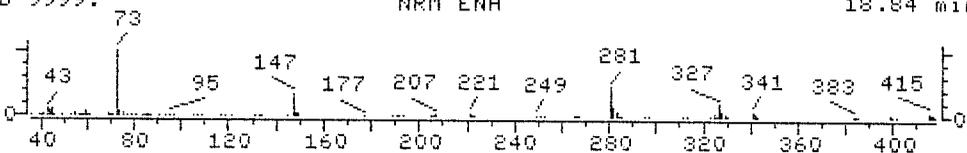
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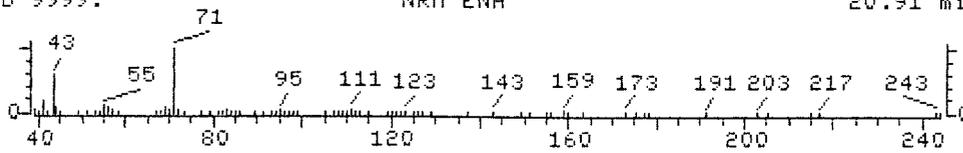
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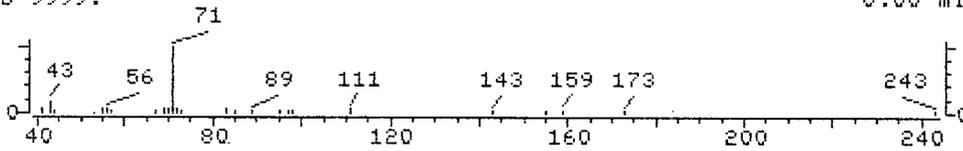
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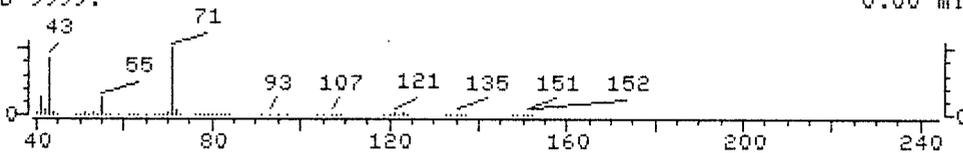
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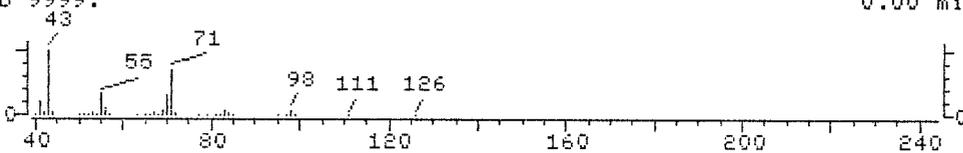
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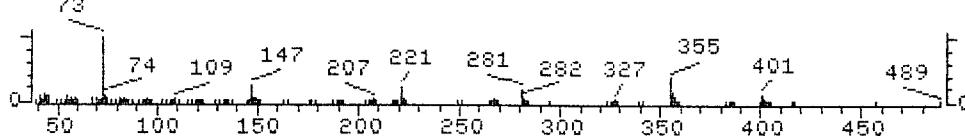
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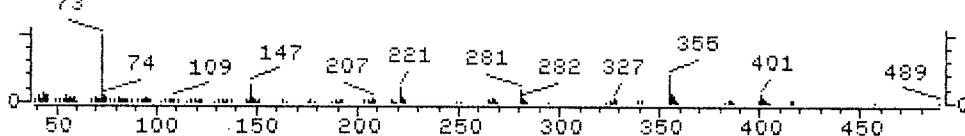
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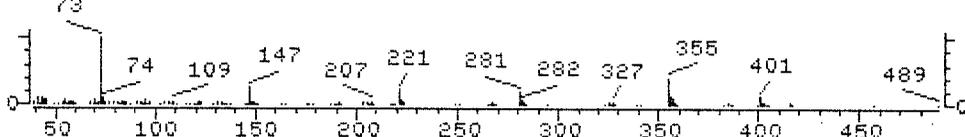
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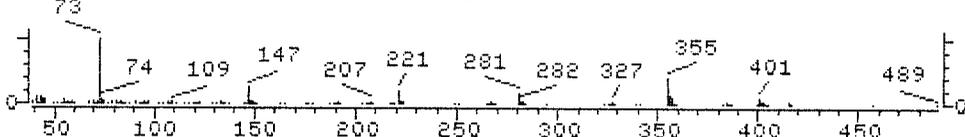
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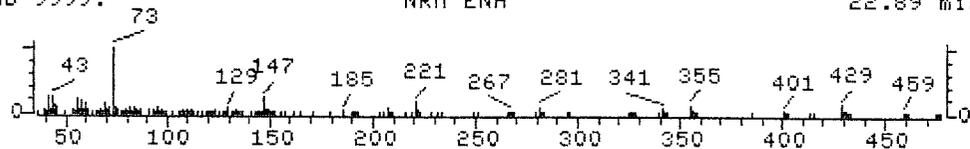
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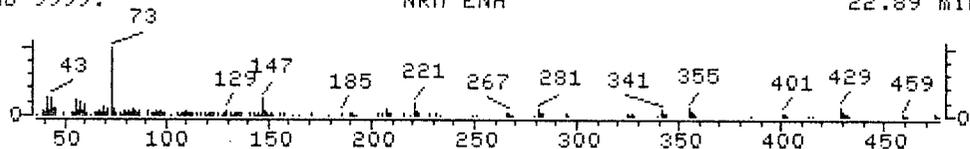
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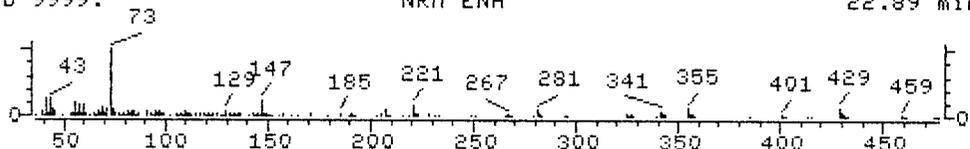
File >V0705 E1005-0240 50.3936 1ML Scan 1864  
Bpk Ab 9999. NRM ENH 22.89 min.



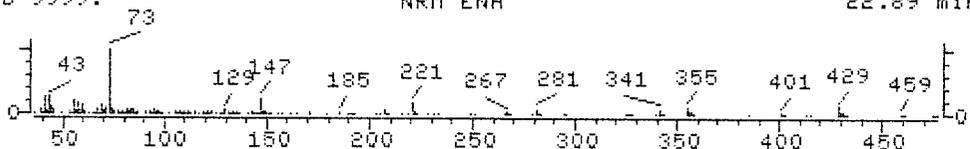
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Bpk Ab 9999. NRM ENH 22.89 min.



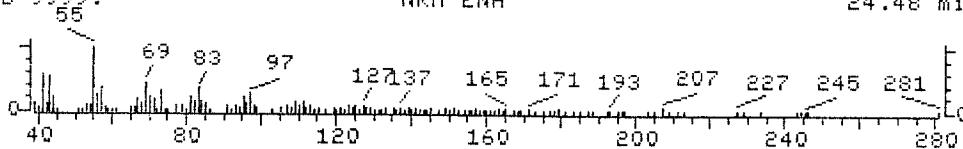
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Bpk Ab 9999. NRM ENH 22.89 min.



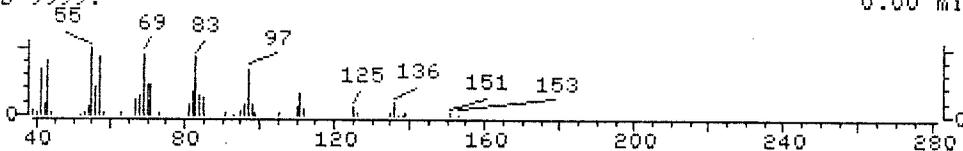
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Bpk Ab 9999. NRM ENH 22.89 min.



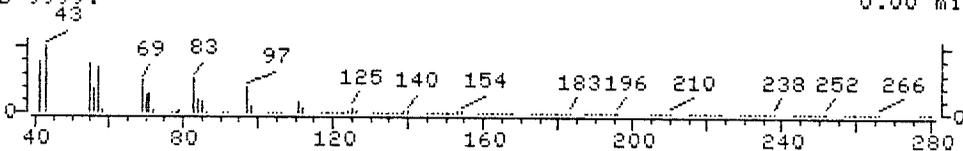
File >V0705 E1005-0240 50.3936 IML Scan 2016  
Bpk Ab 9999. NRM ENH 24.48 min.



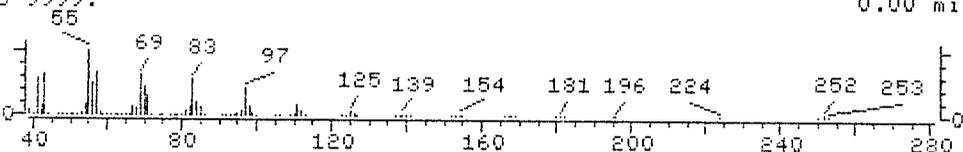
File >B1608 Phosphonic acid, dioctadecyl ester (8CI9CI) Scan 8329  
Bpk Ab 9999. 0.00 min.



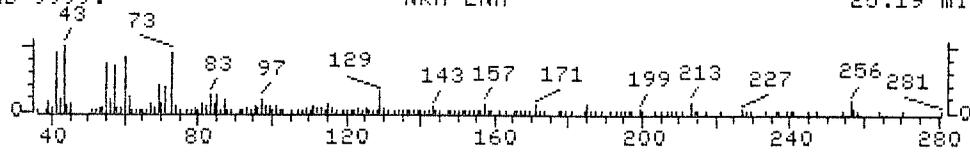
File >B1608 11-Tricosene (9CI) Scan 8318  
Bpk Ab 9999. 0.00 min.



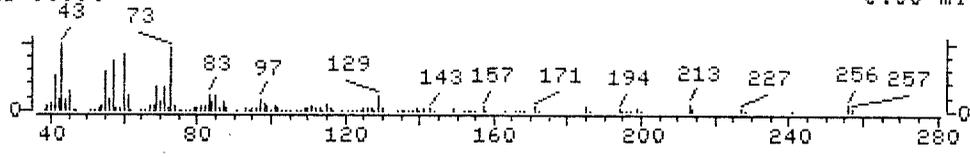
File >B1608 5-Octadecene, (E)- (8CI9CI) Scan 8295  
Bpk Ab 9999. 0.00 min.



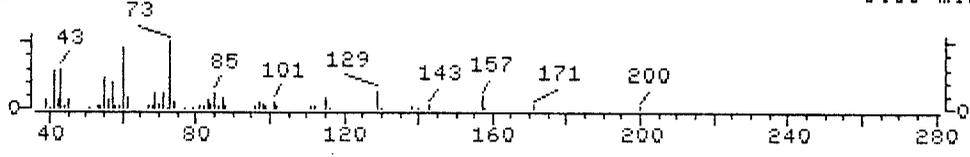
File >V0705 E1005-024C 50.3936 IML Scan 2083  
Bpk Ab 9999. NRM ENH 25.19 min.



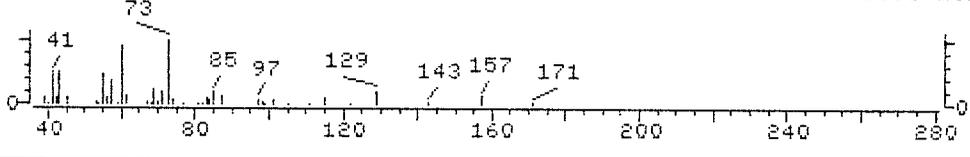
File >BIGDB Hexadecanoic acid (9CI) Scan 2008  
Bpk Ab 9999. 0.00 min.



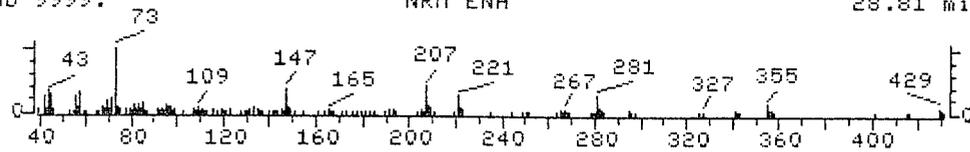
File >BIGDB Dodecanamide, N,N-bis(2-hydroxyethyl)- (8CI9CI) Scan 1984  
Bpk Ab 9999. 0.00 min.



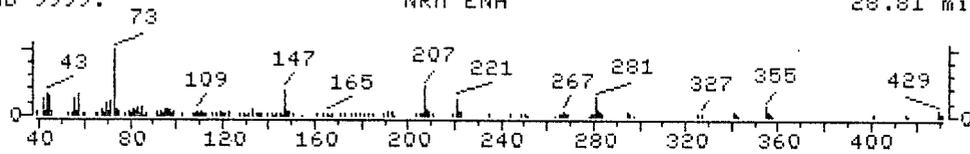
File >BIGDB Glycine, N-methyl-N-(1-oxododecyl)- (9CI) Scan 1972  
Bpk Ab 9999. 0.00 min.



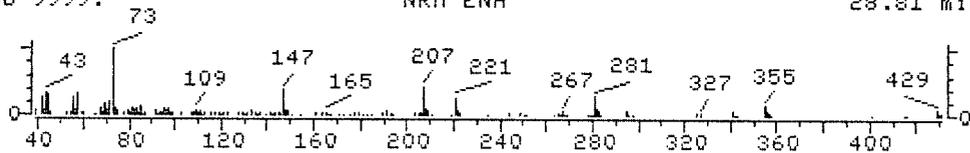
File >V0705 E1005-0240 50.3936 IML Scan 2428  
Bpk Ab 9999. NRM ENH 28.81 min.



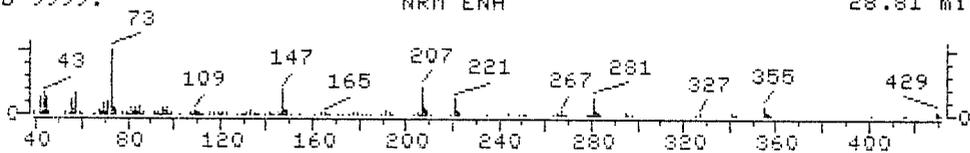
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Bpk Ab 9999. NRM ENH 28.81 min.



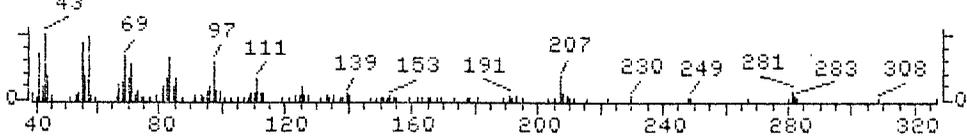
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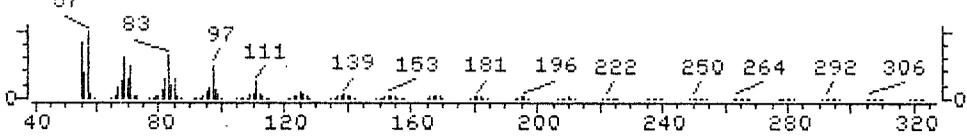
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Bpk Ab 9999. NRM ENH 28.81 min.



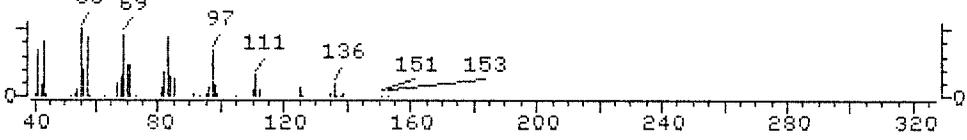
File >V0705 E1005-024C 50.3936 1ML Scan 2694  
Bpk Ab 9999. NRM ENH 31.60 min.



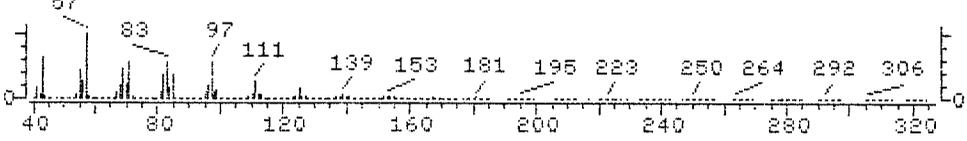
File >B16DB 1-Dotriacontanol (8CI9CI) Scan 8333  
Bpk Ab 9999. 0.00 min.



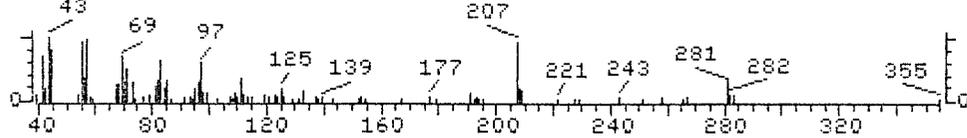
File >B16DB Phosphonic acid, dioctadecyl ester (8CI9CI) Scan 8329  
Bpk Ab 9999. 0.00 min.



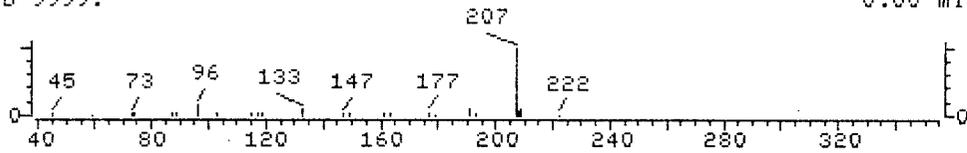
File >B16DB 1-Hentetracontanol (9CI) Scan 8384  
Bpk Ab 9999. 0.00 min.



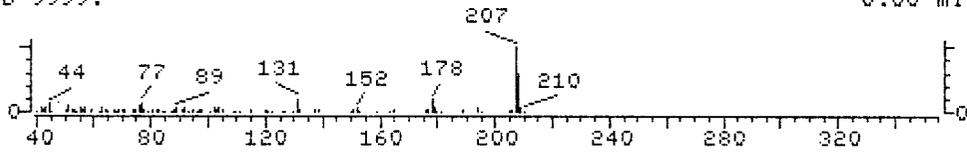
File >V0705 E1005-024C 50.3936 LML Scan 3084  
Bpk Ab 9999. NRM ENH 35.68 min.



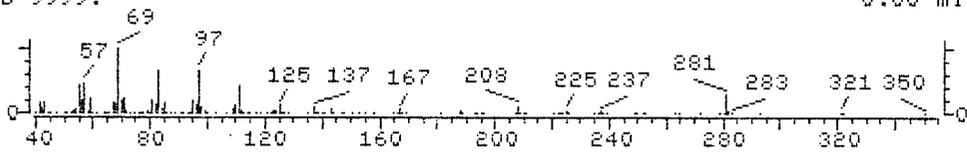
File >B1608 Cyclotrisiloxane, hexamethyl- (8C19C1) Scan 25363  
Bpk Ab 9999. 0.00 min.



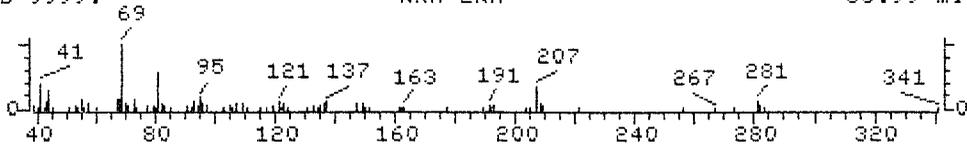
File >B1608 1-Benzopyrylium, 2-phenyl- (9C1) Scan 25365  
Bpk Ab 9999. 0.00 min.



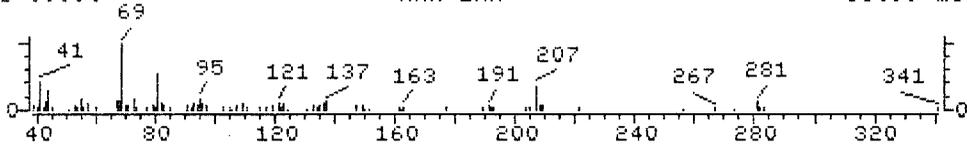
File >B1608 1,3-Dioxolane, 4-ethyl-5-octyl-2,2-bis(trifluoromethyl) Scan 32178  
Bpk Ab 9999. 0.00 min.



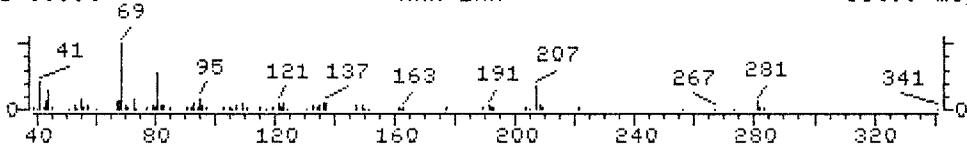
File >V0705 E1005-024C 50.3936 1ML Scan 3401  
Bpk Ab 9999. NRM ENH 38.99 min.



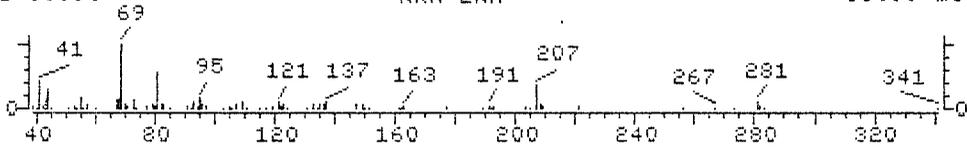
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Bpk Ab 9999. NRM ENH 38.99 min.



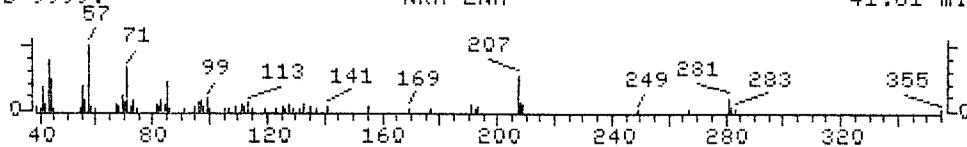
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Bpk Ab 9999. NRM ENH 38.99 min.



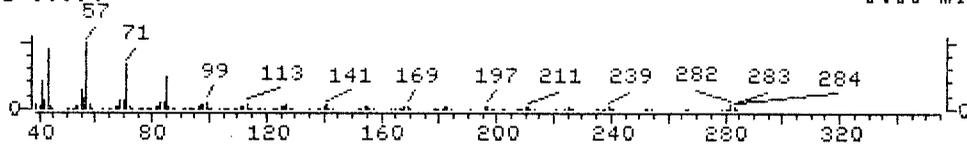
File >V0705 E1005-024C 50.3936 1ML Scan 3401  
Bpk Ab 9999. NRM ENH 38.99 min.



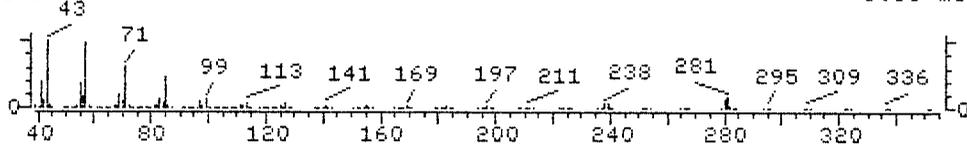
File >V0705 E1005-024C 50.3936 1ML Scan 3652  
Bpk Ab 9999 NRM ENH 41.61 min.



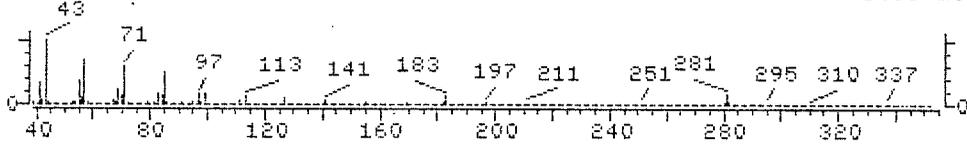
File >BIGDB Eicosane (8CI9CI) Scan 6286  
Bpk Ab 9999 0.00 min.



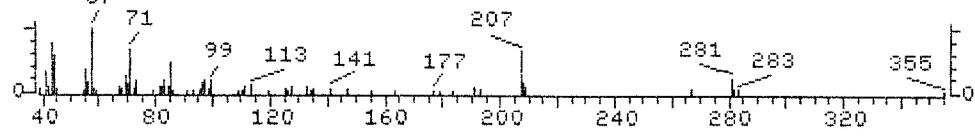
File >BIGDB Eicosane, 9-octyl- (8CI) Scan 32162  
Bpk Ab 9999. 0.00 min.



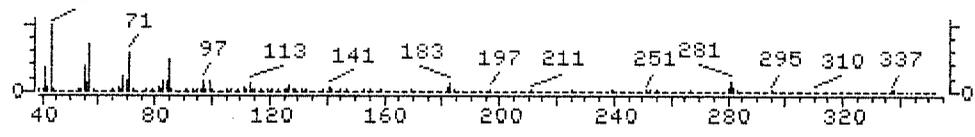
File >BIGDB Octadecane, 3-ethyl-5-(2-ethylbutyl)- (9CI) Scan 32179  
Bpk Ab 9999. 0.00 min.



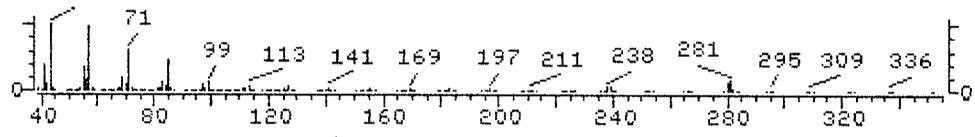
File >V0705 E1005-024C 50.3936 1ML Scan 4533  
Bpk Ab 9999. NRM ENH 50.79 min.



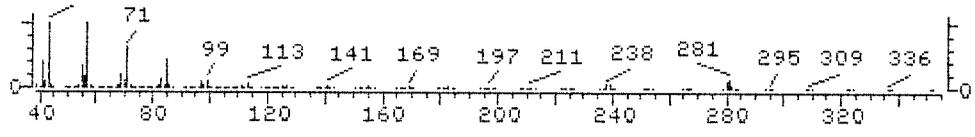
File >B1608 Octadecane, 3-ethyl-5-(2-ethylbutyl)- (9CI) Scan 32179  
Bpk Ab 9999. 0.00 min.



File >B1608 Eicosane, 9-octyl- (8CI) Scan 32162  
Bpk Ab 9999. 0.00 min.



File >B1608 Eicosane, 9-octyl- (8CI) Scan 32162  
Bpk Ab 9999. 0.00 min.



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:<br>(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 |

0387

QUANT REPORT

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

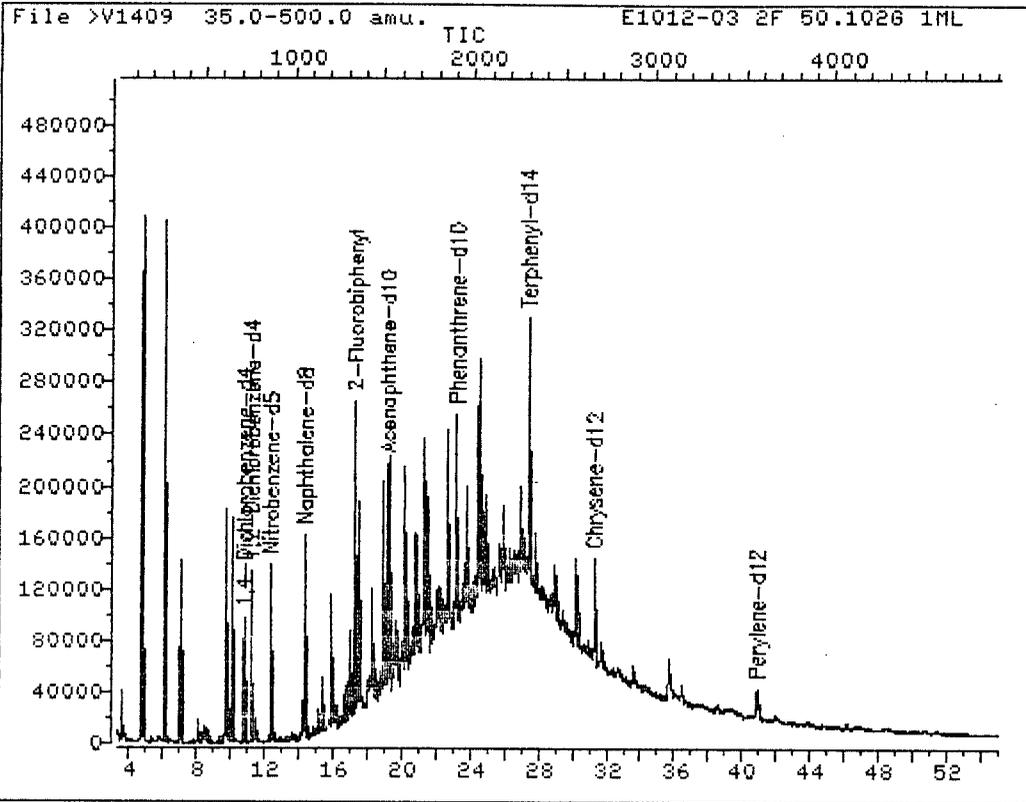
ID File: CLPSEM::SC  
 Title: CLP SEMIVOLATILES  
 Last Calibration: 930806 16:07

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/Kg Q

(ug/L or ug/Kg)

| CAS NO.  | COMPOUND               | CONCENTRATION UNITS | 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 |

0390

## QUANT REPORT

Page 1

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

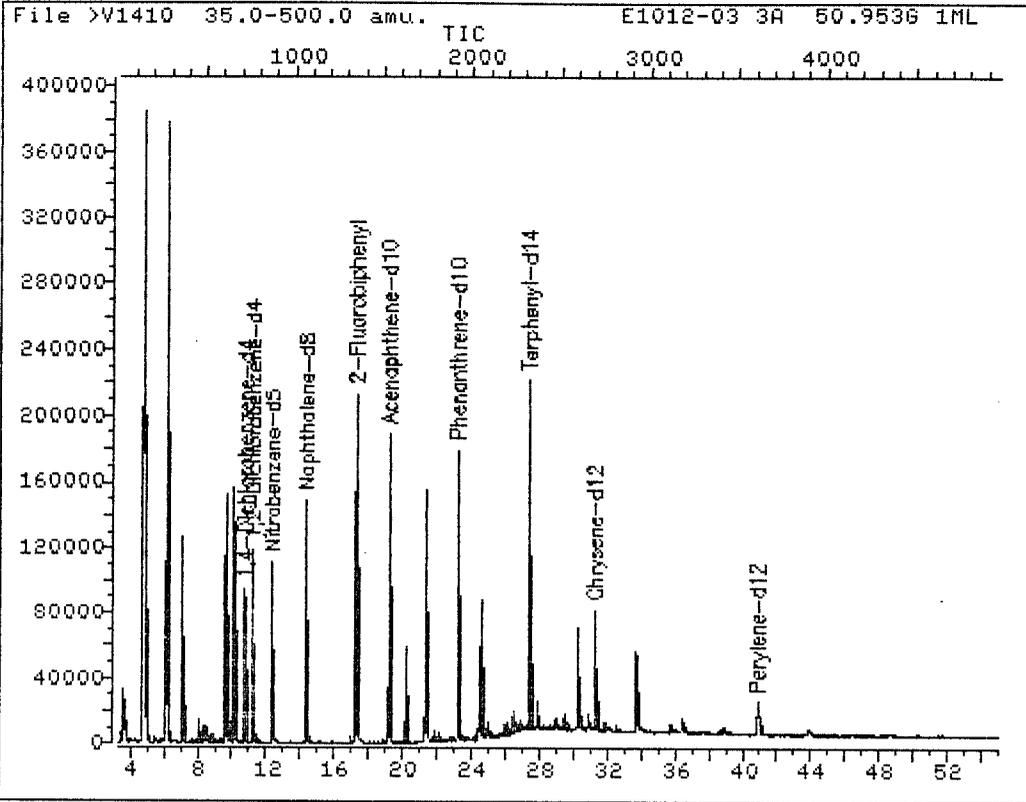
Last Qcal Time: 941014 17:45

| 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

0391

TOTAL ION CHROMATOGRAM



Data File: >V1410::A4

Name: E1012-03

Misc: 3A 50.953G 1ML

Quant Output File: ^V1410::D2

Instrument ID: MACH-2

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

|               |                        |  |                 |
|---------------|------------------------|--|-----------------|
| 56-55-3-----  | Benzo(a)anthracene     |  | 39 <sup>U</sup> |
| 218-01-9----- | Chrysene               |  | 39 <sup>U</sup> |
| 205-99-2----- | Benzo(b)fluoranthene   |  | 39 <sup>U</sup> |
| 7-08-9-----   | Benzo(k)fluoranthene   |  | 39 <sup>U</sup> |
| 50-32-8-----  | Benzo(a)pyrene         |  | 39 <sup>U</sup> |
| 193-39-5----- | Indeno(1,2,3-cd)pyrene |  | 39 <sup>U</sup> |
| 53-70-3-----  | Dibenz(a,h)anthracene  |  | 39 <sup>U</sup> |

0393

## QUANT REPORT

Page 1

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

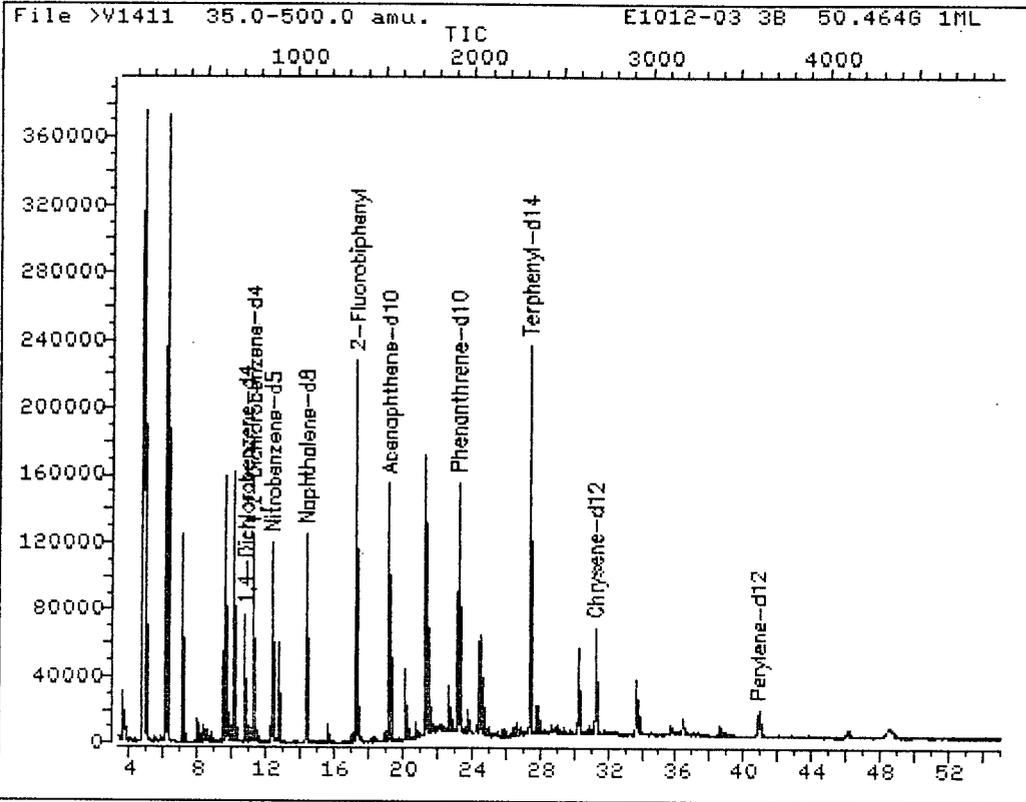
Last Qcal Time: 941014 17:45

| 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

0394

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 |
| 27-08-9  | Benzo(k)fluoranthene   |  | 39 U |
| 150-32-8 | Benzo(a)pyrene         |  | 39 U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene |  | 39 U |
| 153-70-3 | Dibenz(a,h)anthracene  |  | 39 U |

0396

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

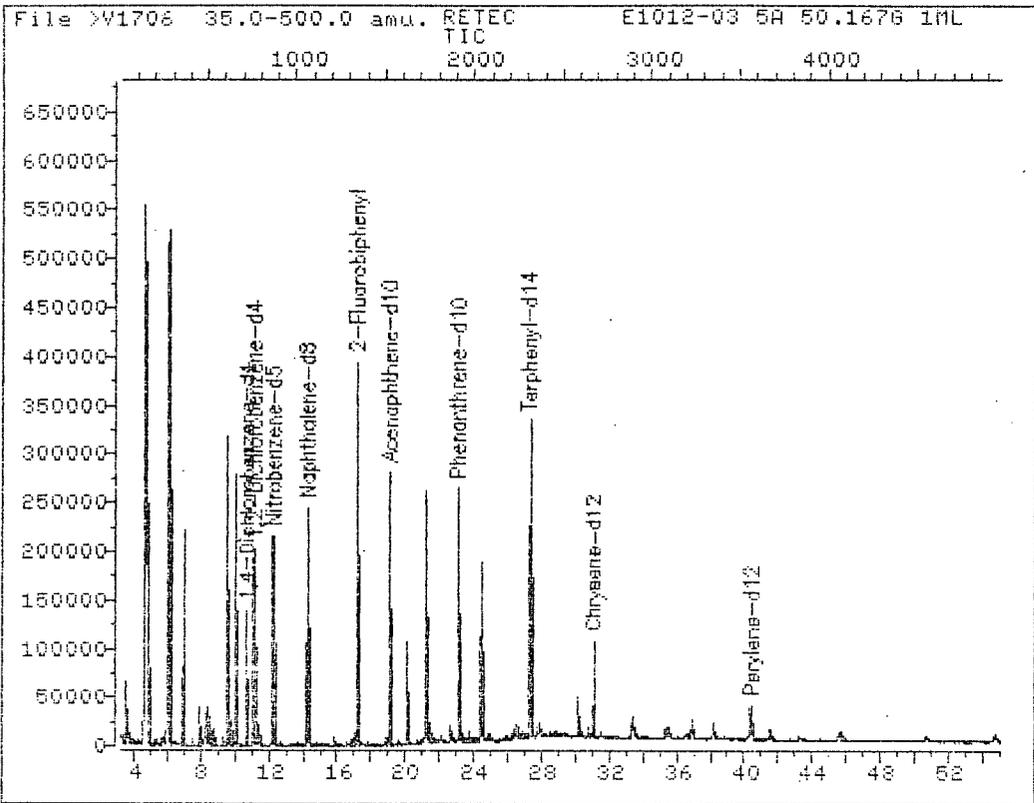
ID File: CLPSEM::SC  
Title: CLP SEMIVOLATILES  
Last Calibration: 930806 16:07

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 <sup>1</sup> U |  |
| 1218-01-9 | Chrysene               | 37 <sup>1</sup> U |  |
| 205-99-2  | Benzo(b)fluoranthene   | 37 <sup>1</sup> U |  |
| 7-08-9    | Benzo(k)fluoranthene   | 37 <sup>1</sup> U |  |
| 50-32-8   | Benzo(a)pyrene         | 37 <sup>1</sup> U |  |
| 193-39-5  | Indeno(1,2,3-cd)pyrene | 37 <sup>1</sup> U |  |
| 53-70-3   | Dibenz(a,h)anthracene  | 37 <sup>1</sup> U |  |

## QUANT REPORT

Page 1

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

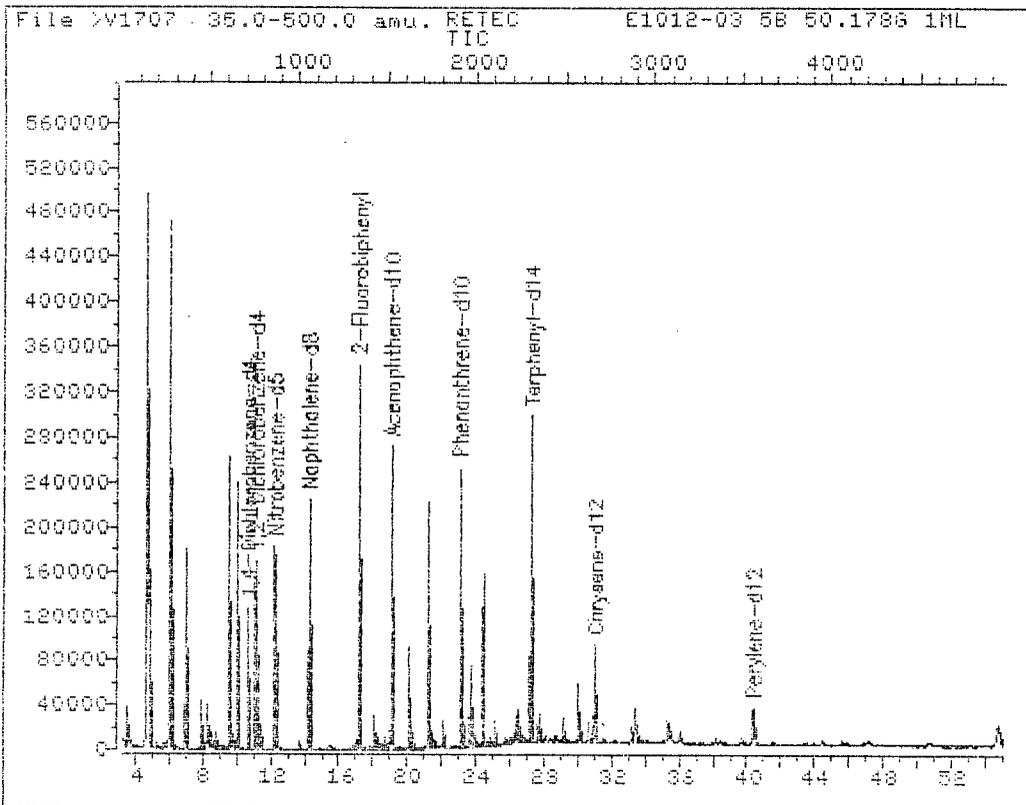
Last Qcal Time: 941014 17:45

| 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

0400

TOTAL ION CHROMATOGRAM



Data File: >V1707::A4

Name: RETEC E1012-03

Misc: 5B 50.178G 1ML

Quant Output File: ^V1707::D2

Instrument ID: MACH-2

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

## 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 | 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   |
| 1,2-Dichloroethane           | 1.058 | 1.030 | 0.929 | 0.791  | 0.708  | 0.903 | 16.7  |
| 1,2-Dibromobenzene           | 0.428 | 0.384 | 0.362 | 0.332  | 0.317  | 0.365 | 12.1  |
| 1,2-Dibromopropane           | 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  |
| 1-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  |
| 1-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   |
| 1,3-Nitroaniline             | 0.302 | 0.183 | 0.094 | 0.085  | 0.071  | 0.147 | 66.2  |
| 1-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   |
| 1,2-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  |

Compounds with required minimum RRF and maximum %RSD values.

All other compounds must meet a minimum RRF of 0.010.

## 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 | 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  |
| Anthracene                 | 1.276 | 1.102 | 0.987 | 0.871  | 0.790  | 1.005 | 19.1  |
| Anthracene                 | 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  |

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 |    |

0405

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

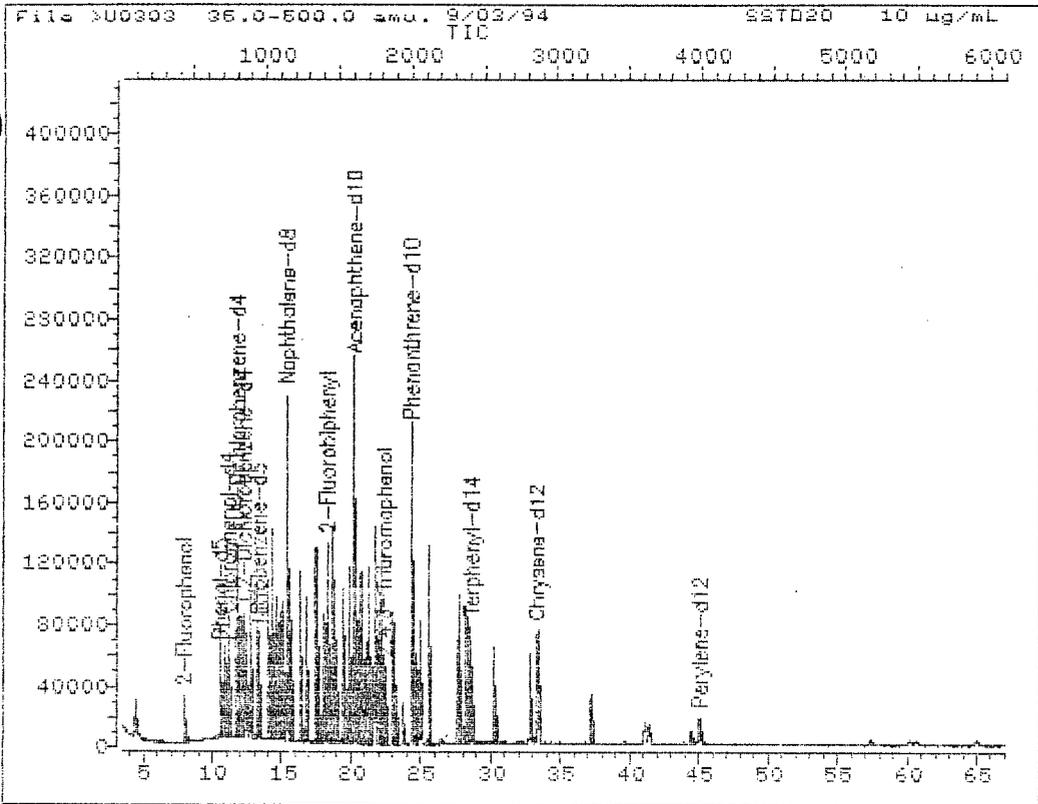
ID File: CLPSEM::SC  
 Title: CLP SEMIVOLATILES  
 Last Calibration: 930806 16:07

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  
 Output File: ^U0302::A3  
 Data File: >U0302::A0  
 Name: 9/03/94  
 Misc: SSTD50 25 ug/mL

Quant Rev: 7 Quant Time: 940905 12:58  
 Injected at: 940905 11:50  
 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: 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 |    |

## QUANT REPORT

Page 2

Operator ID: ANDY  
 Output File: ^U0302::A3  
 Data File: >U0302::A0  
 Name: 9/03/94  
 Misc: SSTD50 25 ug/mL

Quant Rev: 7 Quant Time: 940905 12:58  
 Injected at: 940905 11:50  
 Dilution Factor: 1.00000  
 Instrument ID: MACH-2  
 BTL# 3

ID File: CLPSEM::SC  
 Title: CLP SEMIVOLATILES  
 Last Calibration: 930806 16:07

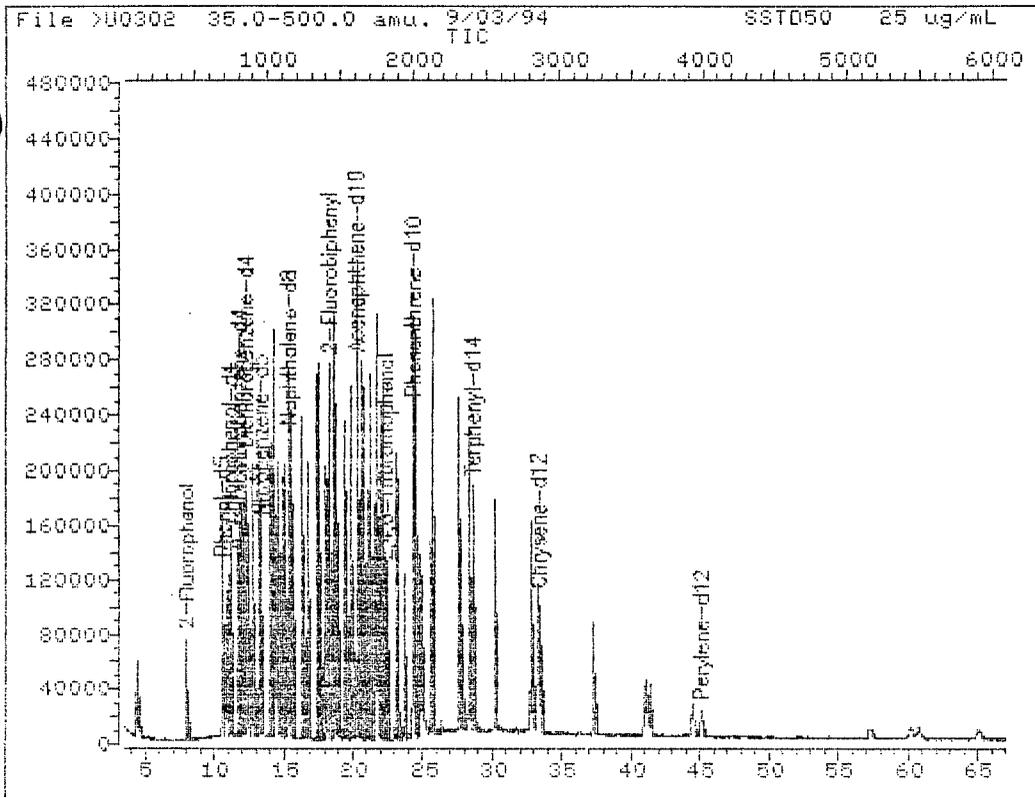
Last Qcal Time: 940903 09:25

|     | 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

0409

TOTAL ION CHROMATOGRAM



Data File: >U0302  
 Name: 9/03/94  
 Misc: SSTD50 25 ug/mL

Quant Output File: ^U0302::A3  
 Instrument ID: MACH-2

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  
 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  |
|-----|------------------------------|-------|-------|---------|-------|-------|----|
| 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 |    |

## QUANT REPORT

Page 2

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

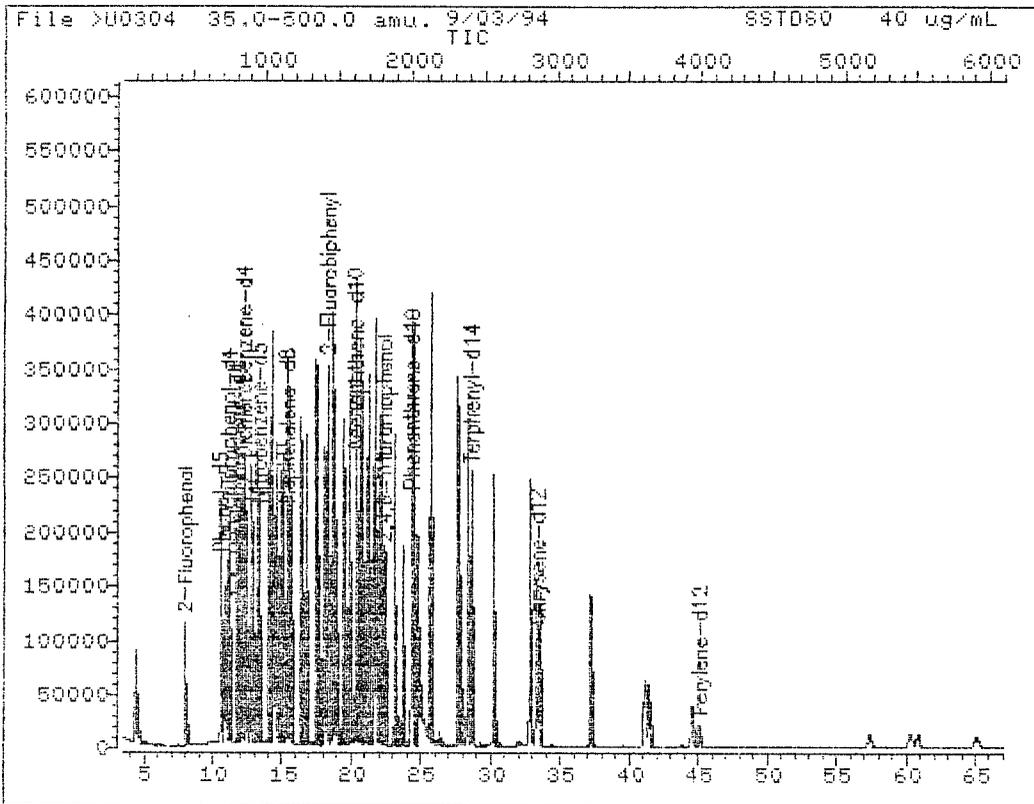
Last Qcal Time: 940905 11:50

|     | 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

0412

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  
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  |
|----------------------------------|-------|-------|---------|-------|-------|----|
| 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 |    |

## QUANT REPORT

Page 2

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

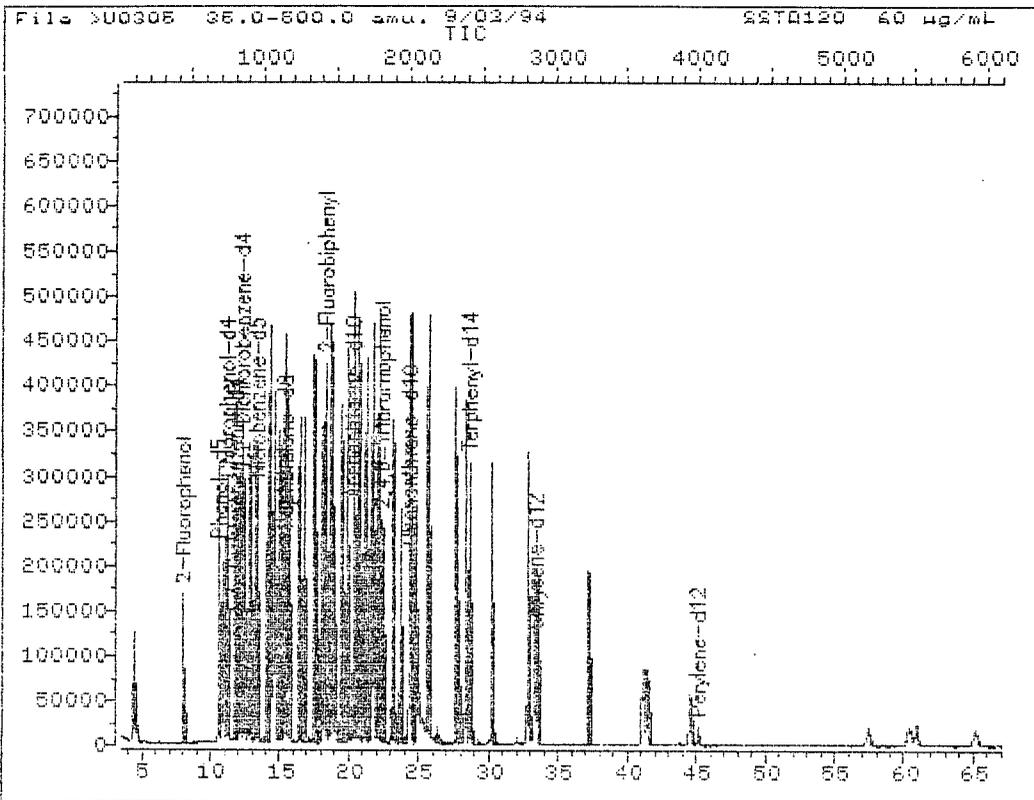
Last Qcal Time: 940905 11:50

|     | 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

0415

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

## QUANT REPORT

Page 1

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  |
|-----|------------------------------|-------|-------|---------|--------|-------|----|
| 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 |    |

0417

Operator ID: ANDY  
 Output File: ^U0306::A3  
 Meta 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

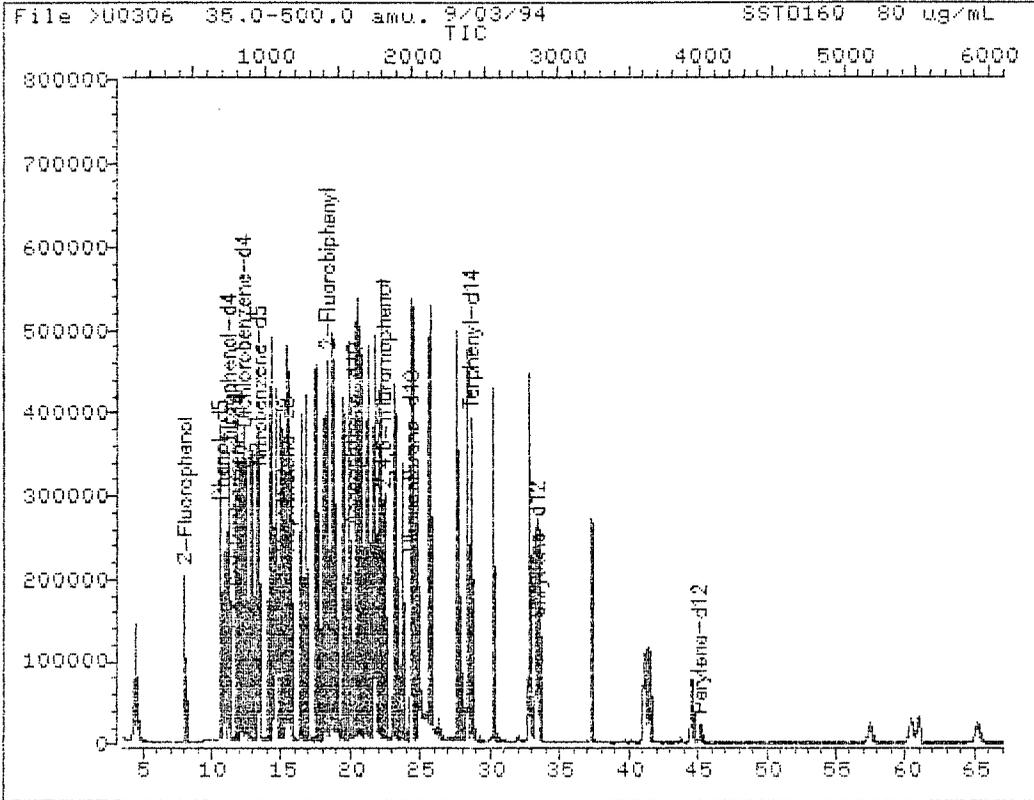
ID File: CLPSEM::SC  
 Title: CLP SEMIVOLATILES  
 Last Calibration: 930806 16:07

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                     | 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   |
| 1-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   |
| 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                   | 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   |

) Cannot be separated from Dipheylamine  
All other compounds must meet a minimum RRF of 0.010.

0421

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  |
|-----|------------------------------|-------|-------|--------|-------|-------|----|
| 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 |    |

QUANT REPORT

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

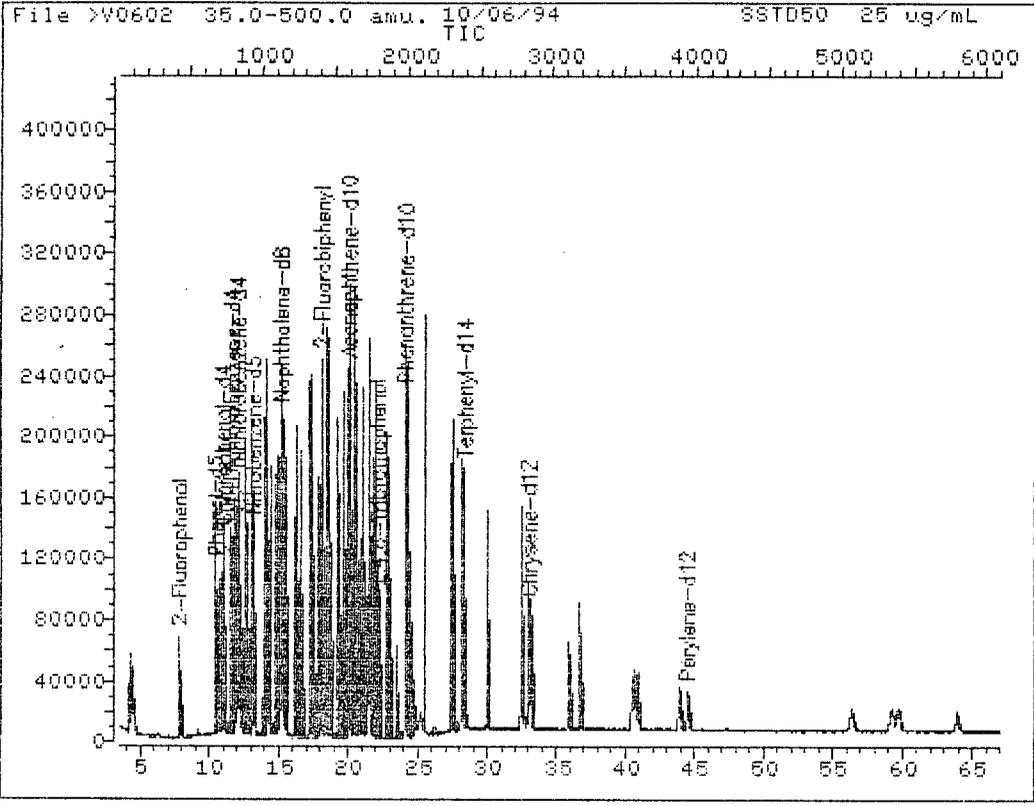
ID File: CLPSEM::SC  
 Title: CLP SEMIVOLATILES  
 Last Calibration: 930806 16:07

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: SST050 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                     | 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   |
| 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                   | 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 Dipheylamine  
All other compounds must meet a minimum RRF of 0.010.

0426

## QUANT REPORT

Page 1

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  |
|-----|------------------------------|-------|-------|--------|-------|-------|----|
| 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 |
| 14) | 4-Methylphenol               | 12.57 | 108.0 | 82948  | 21.51 | UG/ML | 99 |
| 15) | 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 |
| 40) | 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 |    |

0427

## QUANT REPORT

Page 2

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

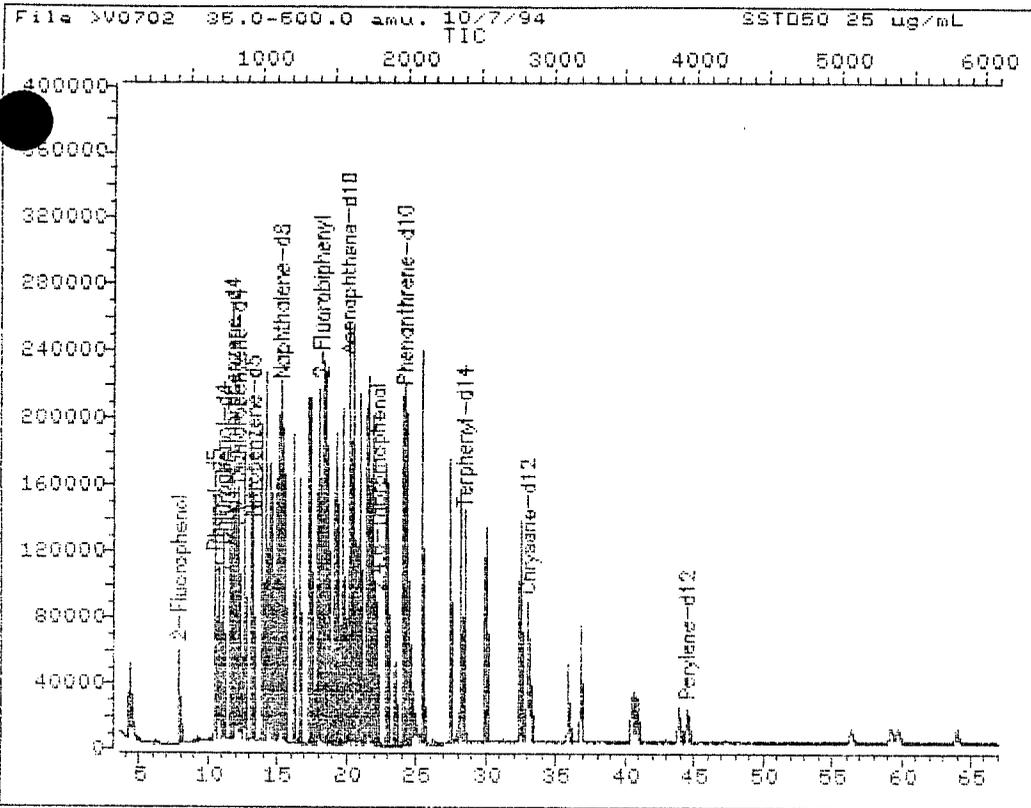
Last Qcal Time: 941006 22:58

|     | 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) | Carbazole                  | 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

0428

TOTAL ION CHROMATOGRAM



Data File: >V0702::A0

Name: 10/7/94

Misc: SST050 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.:             |           |
| Instrument ID: | MACH2                   | Calibration Date:     | 10/14/94  |
| Lab File ID:   | >V1402                  | Init. Calib. Date(s): | 09/05/94  |
|                |                         | Init. Calib. Times:   | 1150      |
|                |                         |                       | 1641      |

| COMPOUND               | 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   |
| phenyl-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.

## QUANT REPORT

Page 1

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 |

0431

## QUANT REPORT

Page 2

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

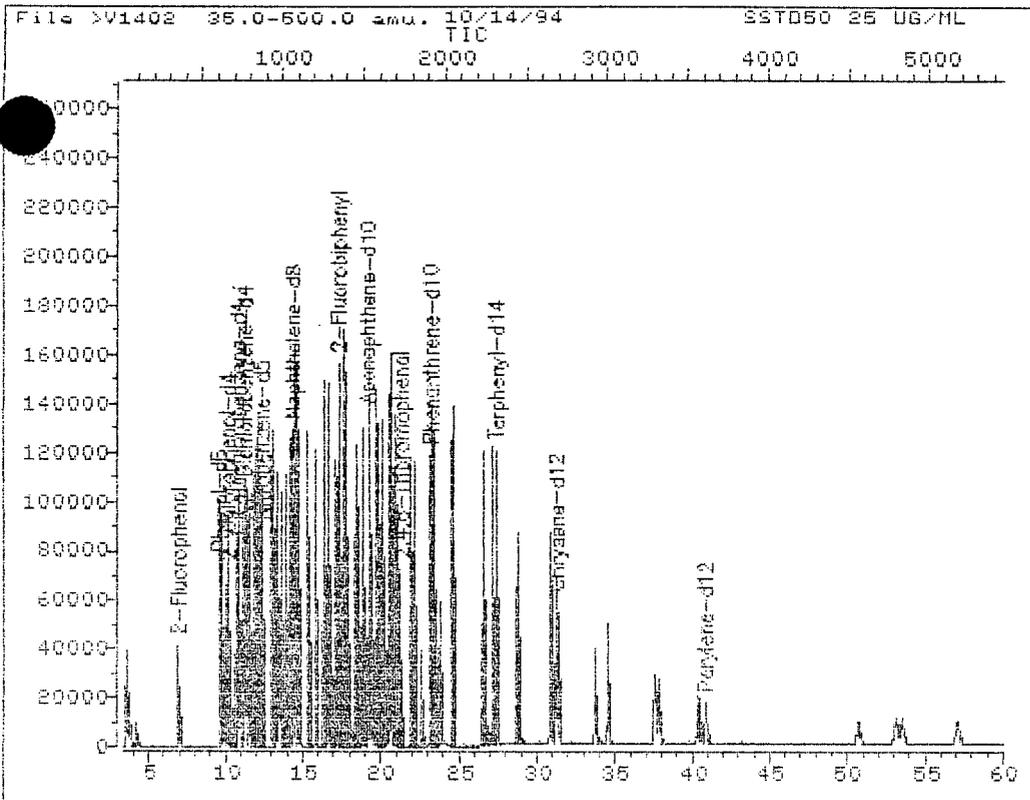
Last Qcal Time: 941013 18:15

|     | Compound                   | R.T.  | Q ion | Area   | Conc  | Units | q   |
|-----|----------------------------|-------|-------|--------|-------|-------|-----|
| 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) | Carbazole                  | 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

0432

TOTAL ION CHROMATOGRAM



Data File: >V1402::A4  
 Name: 10/14/94  
 Misc: SSTD50 25 UG/ML

Quant Output File: ^V1402::D2  
 Instrument ID: MACH-2

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.:             |           |
| Instrument ID: | MACH2                   | Calibration Date:     | 10/17/94  |
| Lab File ID:   | >V1705                  | Init. Calib. Date(s): | 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   |
| 1,2-Dichlorobenzene-d4 | 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.

## QUANT REPORT

Page 1

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 | g  |
|-----|------------------------------|-------|-------|--------|-------|-------|----|
| 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 |

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## QUANT REPORT

Page 2

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

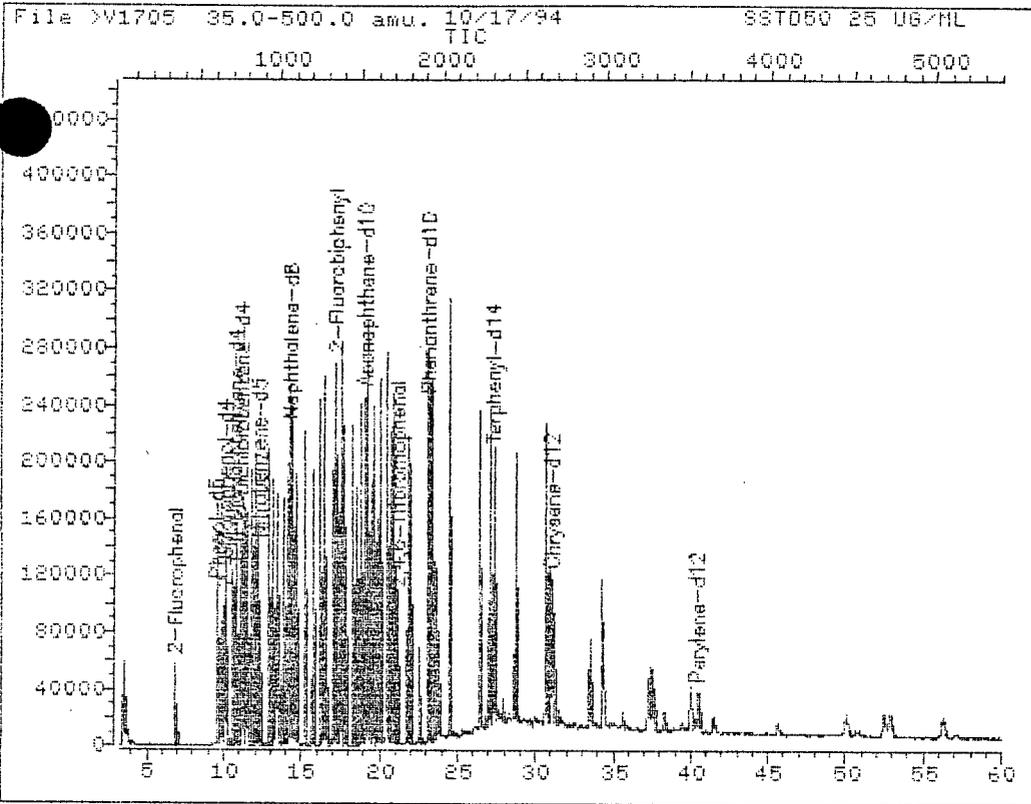
Last Qcal Time: 941014 17:45

|     | 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) | Carbazole                  | 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

0436

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

Last Qcal Time: 941014 17:45

Operator ID: ANDY  
 Quant Time : 941017 18:12  
 Injected at: 941017 17:10