



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\  
Data File : BM003619.D  
Acq On : 19 Dec 2015 14:45  
Operator : UM/SJ  
Sample : SSTD08051  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD08051

Quant Time: Dec 20 01:16:00 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M  
Quant Title : SVOA CALIBRATION  
Quant Update : Sun Dec 20 00:58:29 2015  
Response via : Initial Calibration

Manual Integrations  
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| Internal Standards                                                          | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                       |      |      |          |      |       |          |
| (# ) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.38 | 142  | 405436   | 64.28 | ng/ul | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.53 | 216  | 213987   | 65.14 | ng/ul | 99       |
| 38) Hexachlorocyclopentadiene  | 12.51 | 237  | 130405   | 71.82 | ng/ul | 99       |
| 39) 2,4,6-Trichlorophenol      | 12.78 | 196  | 149681   | 66.86 | ng/ul | 100      |
| 40) 2,4,5-Trichlorophenol      | 12.86 | 196  | 167129   | 67.39 | ng/ul | 100      |
| 41) 1,1'-Biphenyl              | 13.19 | 154  | 558609   | 63.54 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 13.23 | 162  | 430893   | 65.09 | ng/ul | 100      |
| 43) 2-Nitroaniline             | 13.44 | 65   | 131579   | 70.50 | ng/ul | 99       |
| 45) Dimethylphthalate          | 13.82 | 163  | 585552   | 64.14 | ng/ul | 99       |
| 46) 2,6-Dinitrotoluene         | 13.94 | 165  | 127304   | 69.66 | ng/ul | 99       |
| 48) Acenaphthylene             | 14.08 | 152  | 710789   | 63.70 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.27 | 138  | 130794   | 64.35 | ng/ul | 98       |
| 50) Acenaphthene               | 14.42 | 153  | 468594   | 63.33 | ng/ul | 99       |
| 51) 2,4-Dinitrophenol          | 14.48 | 184  | 75086    | 76.30 | ng/ul | 98       |
| 53) 4-Nitrophenol              | 14.60 | 109  | 99943    | 67.77 | ng/ul | 96       |
| 54) Dibenzofuran               | 14.76 | 168  | 665362   | 63.05 | ng/ul | 99       |
| 55) 2,4-Dinitrotoluene         | 14.73 | 165  | 188022   | 68.42 | ng/ul | 99       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.99 | 232  | 141848   | 67.06 | ng/ul | 97       |
| 57) Diethylphthalate           | 15.19 | 149  | 619594   | 64.20 | ng/ul | 99       |
| 59) Fluorene                   | 15.41 | 166  | 513093   | 60.86 | ng/ul | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.40 | 204  | 248744   | 60.78 | ng/ul | 99       |
| 61) 4-Nitroaniline             | 15.44 | 138  | 150023   | 67.29 | ng/ul | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.50 | 198  | 113470   | 71.07 | ng/ul | 99       |
| 65) N-Nitrosodiphenylamine     | 15.62 | 169  | 474476   | 62.98 | ng/ul | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.30 | 248  | 163552   | 63.55 | ng/ul | 99       |
| 67) Hexachlorobenzene          | 16.42 | 284  | 182248   | 63.68 | ng/ul | 98       |
| 68) Atrazine                   | 16.58 | 200  | 190149   | 65.31 | ng/ul | 99       |
| 69) Pentachlorophenol          | 16.76 | 266  | 112854   | 68.90 | ng/ul | 100      |
| 70) Phenanthrene               | 17.15 | 178  | 879845   | 62.11 | ng/ul | 100      |
| 72) Anthracene                 | 17.24 | 178  | 895440   | 62.03 | ng/ul | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.15 | 216  | 232828   | 65.29 | ng/uL | 99       |
| 74) Pentachlorobenzene         | 14.68 | 250  | 212015   | 63.53 | ng/uL | 100      |
| 75) Carbazole                  | 17.52 | 167  | 850684   | 64.03 | ng/ul | 100      |
| 76) Di-n-butylphthalate        | 18.07 | 149  | 1088413  | 63.18 | ng/ul | 100      |
| 77) Fluoranthene               | 19.17 | 202  | 1045997  | 64.09 | ng/ul | 99       |
| 80) Pyrene                     | 19.54 | 202  | 1051215  | 62.36 | ng/ul | 98       |
| 81) Butylbenzylphthalate       | 20.44 | 149  | 538914   | 66.89 | ng/ul | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.23 | 252  | 360189   | 63.89 | ng/ul | 98       |
| 83) Benzo(a)anthracene         | 21.29 | 228  | 1107168  | 63.05 | ng/ul | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.22 | 149  | 735159   | 62.00 | ng/ui | 99       |
| 85) Chrysene                   | 21.34 | 228  | 1038511  | 61.68 | ng/ul | 99       |
| 87) Di-n-octyl phthalate       | 22.10 | 149  | 1421716  | 65.09 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.89 | 252  | 1161956  | 61.47 | ng/ul | 100      |
| 89) Benzo(k)fluoranthene       | 22.93 | 252  | 1135208  | 64.13 | ng/ul | 99       |
| 91) Benzo(a)pyrene             | 23.47 | 252  | 1128724  | 62.86 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.84 | 276  | 1202265  | 63.03 | ng/ul | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.85 | 278  | 996684   | 62.28 | ng/ul | 99       |
| 94) Benzo(a,h,i)perylene       | 26.54 | 276  | 998244   | 63.65 | ng/ul | 99       |

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| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 30211    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.49 | 136  | 144916   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.36 | 164  | 90227    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.10 | 188  | 215156   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.31 | 240  | 245442   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.56 | 264  | 261163   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.16  | 96  | 17948  | 26.51 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.88  | 99  | 204949 | 66.82 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.03  | 67  | 107415 | 66.10 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.23  | 132 | 172819 | 68.46 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 178907 | 67.45 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.86  | 128 | 89495  | 69.74 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.58  | 143 | 101434 | 70.11 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 177164 | 67.85 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.63 | 131 | 226353 | 64.97 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.77 | 166 | 576798 | 64.58 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.04 | 160 | 667015 | 65.11 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.58 | 143 | 118608 | 67.32 | ng/ul | 0.01 |
| 58) Fluorene-d10               | 15.35 | 176 | 463503 | 63.00 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.49 | 200 | 105684 | 70.67 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.20 | 188 | 735156 | 62.80 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.51 | 212 | 828794 | 64.54 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.42 | 264 | 989445 | 63.80 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |       | Ovalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.19  | 88  | 20614  | 26.05 | ng/uL | 99     |
| 4) Benzaldehyde                | 6.85  | 77  | 116883 | 65.40 | ng/ul | 98     |
| 6) Phenol                      | 6.90  | 94  | 217285 | 67.41 | ng/ul | 99     |
| 8) Bis(2-Chloroethyl)ether     | 7.13  | 93  | 156625 | 66.10 | ng/ul | 98     |
| 10) 2-Chlorophenol             | 7.27  | 128 | 178385 | 68.25 | ng/ul | 99     |
| 11) 2-Methylphenol             | 8.15  | 108 | 171860 | 67.28 | ng/ul | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.24  | 45  | 156604 | 65.22 | ng/ul | 99     |
| 14) Acetophenone               | 8.53  | 105 | 271337 | 65.78 | ng/ul | 100    |
| 15) N-Nitroso-di-n-propylamine | 8.52  | 70  | 132407 | 66.34 | ng/ul | 99     |
| 16) 4-Methylphenol             | 8.49  | 108 | 191018 | 67.11 | ng/ul | 97     |
| 17) Hexachloroethane           | 8.77  | 117 | 67897  | 68.11 | ng/ul | 99     |
| 20) Nitrobenzene               | 8.90  | 77  | 197865 | 67.38 | ng/ul | 100    |
| 21) Isophorone                 | 9.43  | 82  | 387616 | 66.66 | ng/ul | 100    |
| 23) 2-Nitrophenol              | 9.61  | 139 | 110228 | 69.13 | ng/ul | 99     |
| 24) 2,4-Dimethylphenol         | 9.67  | 107 | 217617 | 67.44 | ng/ul | 99     |
| 25) Bis(2-Chloroethoxy)methane | 9.91  | 93  | 227411 | 65.13 | ng/ul | 99     |
| 27) 2,4-Dichlorophenol         | 10.15 | 162 | 182439 | 67.16 | ng/ul | 99     |
| 28) Naphthalene                | 10.54 | 128 | 581944 | 65.11 | ng/ul | 100    |
| 30) 4-Chloroaniline            | 10.66 | 127 | 227792 | 64.41 | ng/ul | 100    |
| 31) Hexachlorobutadiene        | 10.82 | 225 | 109085 | 65.66 | ng/ul | 99     |
| 32) Caprolactam                | 11.44 | 113 | 67645m | 66.55 | ng/ul |        |
| 33) 4-Chloro-3-methylphenol    | 11.80 | 107 | 214440 | 67.78 | ng/ul | 99     |
| 34) 2-Methylnaphthalene        | 12.16 | 142 | 428781 | 64.52 | ng/ul | 99     |

U.S.  
 12/20/15

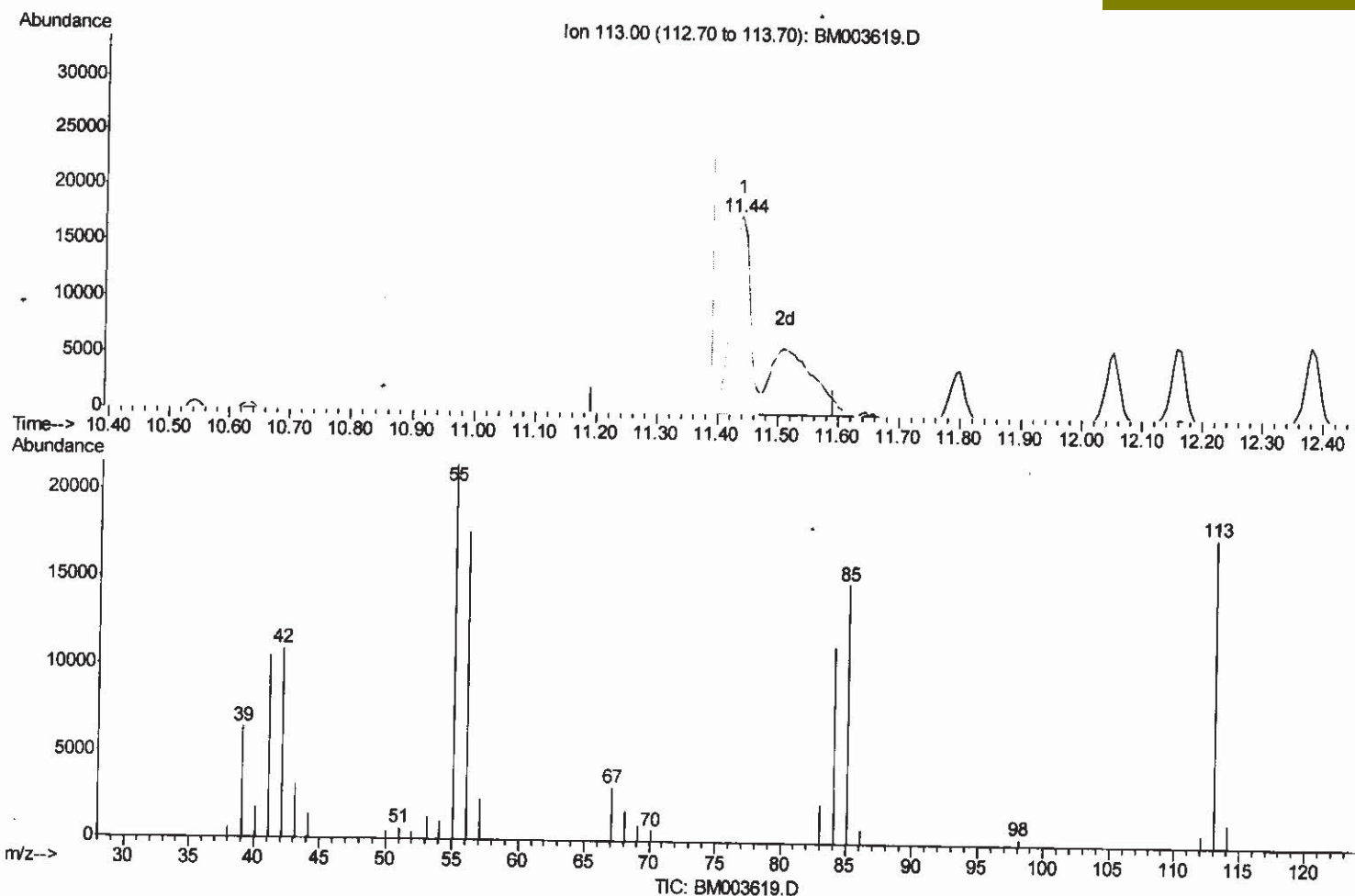
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(32) Caprolactam

11.439min (+0.047) 44.75ng/ul

response 37509

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 127.40 | 121.78 |
| 56.00  | 101.50 | 99.55  |
| 0.00   | 0.00   | 0.00   |

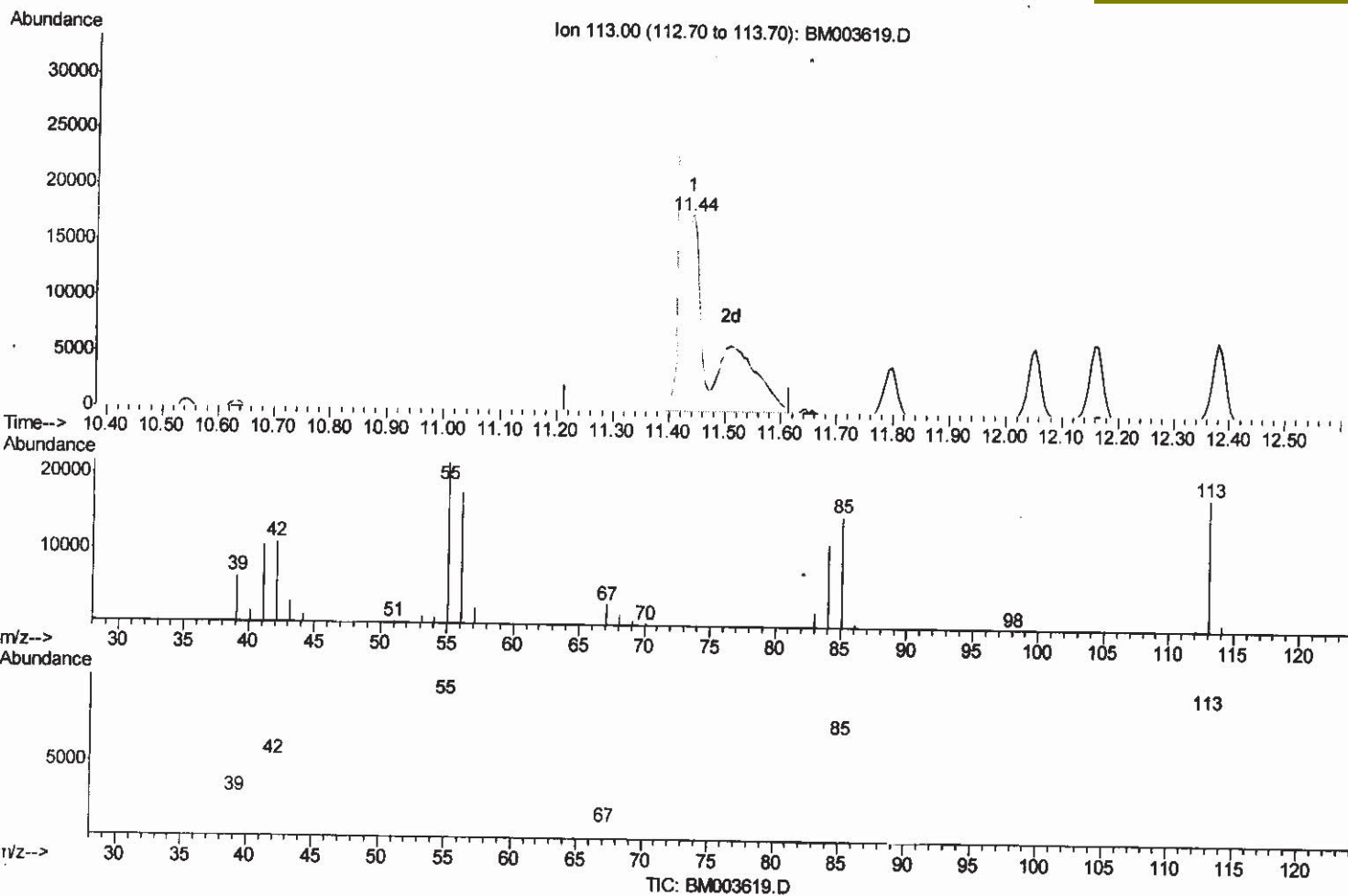
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(32) Caprolactam

11.439min (+0.024) 66.55ng/ul m

response 67645

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 127.40 | 121.78 |
| 56.00  | 101.50 | 99.55  |
| 0.00   | 0.00   | 0.00   |

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