

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM020315\  
 Data File : BM000411.D  
 Acq On : 03 Feb 2015 10:31  
 Operator : TP/IZ  
 Sample : SSTD02067  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02067

Quant Time: Feb 03 12:06:50 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM020315.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Feb 03 11:57:15 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 141286   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.55 | 136  | 622142   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.40 | 164  | 423821   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.14 | 188  | 1067118  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.34 | 240  | 1138317  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.60 | 264  | 965311   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 20046   | 8.43  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.92  | 99  | 208340  | 20.74 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.09  | 67  | 127236  | 21.18 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.28  | 132 | 177226  | 21.43 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.46  | 113 | 177486  | 20.71 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.91  | 128 | 80092   | 21.12 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.63  | 143 | 88841   | 20.99 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.16 | 165 | 202195  | 20.60 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.68 | 131 | 193522  | 21.67 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.81 | 166 | 677500  | 21.43 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.09 | 160 | 839350  | 20.79 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.60 | 143 | 107666  | 20.32 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.39 | 176 | 640056  | 20.84 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 111118  | 19.72 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.24 | 188 | 1003516 | 20.58 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.54 | 212 | 1124672 | 19.81 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.45 | 264 | 923260  | 20.77 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       | Qvalue    |
|--------------------------------|-------|-----|--------|-------|-----------|
| 2) 1,4-Dioxane                 | 3.25  | 88  | 22583  | 7.95  | ng/uL 100 |
| 4) Benzaldehyde                | 6.89  | 77  | 64573  | 19.79 | ng/ul 100 |
| 6) Phenol                      | 6.95  | 94  | 212484 | 20.79 | ng/ul 100 |
| 8) Bis(2-Chloroethyl)ether     | 7.18  | 93  | 165403 | 21.01 | ng/ul 100 |
| 10) 2-Chlorophenol             | 7.32  | 128 | 174233 | 20.84 | ng/ul 100 |
| 11) 2-Methylphenol             | 8.19  | 108 | 174452 | 20.96 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.29  | 45  | 354069 | 21.49 | ng/ul 100 |
| 14) Acetophenone               | 8.57  | 105 | 306152 | 21.40 | ng/ul 100 |
| 15) N-Nitroso-di-n-propylamine | 8.56  | 70  | 147096 | 21.41 | ng/ul 100 |
| 16) 4-Methylphenol             | 8.52  | 108 | 189189 | 20.83 | ng/ul 100 |
| 17) Hexachloroethane           | 8.83  | 117 | 80136  | 20.87 | ng/ul 100 |
| 20) Nitrobenzene               | 8.95  | 77  | 233747 | 20.66 | ng/ul 100 |
| 21) Isophorone                 | 9.47  | 82  | 418033 | 21.00 | ng/ul 100 |
| 23) 2-Nitrophenol              | 9.66  | 139 | 99091  | 21.18 | ng/ul 100 |
| 24) 2,4-Dimethylphenol         | 9.72  | 107 | 251525 | 20.98 | ng/ul 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.96  | 93  | 231819 | 20.48 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.19 | 162 | 199862 | 20.92 | ng/ul 100 |
| 28) Naphthalene                | 10.59 | 128 | 628172 | 20.30 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.70 | 127 | 204048 | 22.02 | ng/ul 100 |
| 31) Hexachlorobutadiene        | 10.88 | 225 | 151053 | 20.21 | ng/ul 100 |
| 32) Caprolactam                | 11.46 | 113 | 30575  | 11.75 | ng/ul 100 |
| 33) 4-Chloro-3-methylphenol    | 11.83 | 107 | 232038 | 21.03 | ng/ul 100 |
| 34) 2-Methylnaphthalene        | 12.21 | 142 | 487557 | 20.69 | ng/ul 100 |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.58 | 216  | 281750   | 20.82 | ng/ul | 100      |
| 37) Hexachlorocyclopentadiene  | 12.56 | 237  | 161132   | 19.02 | ng/ul | 100      |
| 38) 2,4,6-Trichlorophenol      | 12.83 | 196  | 163042   | 21.09 | ng/ul | 100      |
| 39) 2,4,5-Trichlorophenol      | 12.89 | 196  | 186213   | 21.31 | ng/ul | 100      |
| 40) 1,1'-Biphenyl              | 13.23 | 154  | 687493   | 20.56 | ng/ul | 100      |
| 41) 2-Chloronaphthalene        | 13.27 | 162  | 529146   | 20.54 | ng/ul | 100      |
| 42) 2-Nitroaniline             | 13.48 | 65   | 161908   | 21.76 | ng/ul | 100      |
| 44) Dimethylphthalate          | 13.86 | 163  | 722520   | 21.07 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 13.98 | 165  | 134208   | 21.94 | ng/ul | 100      |
| 47) Acenaphthylene             | 14.12 | 152  | 876851   | 20.93 | ng/ul | 100      |
| 48) 3-Nitroaniline             | 14.30 | 138  | 119149   | 21.51 | ng/ul | 100      |
| 49) Acenaphthene               | 14.46 | 153  | 563936   | 20.63 | ng/ul | 100      |
| 50) 2,4-Dinitrophenol          | 14.52 | 184  | 62680    | 18.39 | ng/ul | 100      |
| 52) 4-Nitrophenol              | 14.61 | 109  | 159107   | 20.40 | ng/ul | 100      |
| 53) Dibenzofuran               | 14.80 | 168  | 850842   | 20.80 | ng/ul | 100      |
| 54) 2,4-Dinitrotoluene         | 14.76 | 165  | 205517   | 22.01 | ng/ul | 100      |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.03 | 232  | 169158   | 22.07 | ng/ul | 100      |
| 56) Diethylphthalate           | 15.23 | 149  | 759851   | 21.05 | ng/ul | 100      |
| 58) Fluorene                   | 15.45 | 166  | 701422   | 20.67 | ng/ul | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.44 | 204  | 366309   | 20.67 | ng/ul | 100      |
| 60) 4-Nitroaniline             | 15.47 | 138  | 135373   | 20.92 | ng/ul | 100      |
| 63) 4,6-Dinitro-2-methylphenol | 15.53 | 198  | 119342   | 20.15 | ng/ul | 100      |
| 64) N-Nitrosodiphenylamine     | 15.66 | 169  | 610000   | 20.67 | ng/ul | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.34 | 248  | 225036   | 20.45 | ng/ul | 100      |
| 66) Hexachlorobenzene          | 16.45 | 284  | 256383   | 20.44 | ng/ul | 100      |
| 67) Atrazine                   | 16.61 | 200  | 225618   | 20.22 | ng/ul | 100      |
| 68) Pentachlorophenol          | 16.80 | 266  | 134956   | 20.04 | ng/ul | 100      |
| 69) Phenanthrene               | 17.19 | 178  | 1177988  | 20.57 | ng/ul | 100      |
| 71) Anthracene                 | 17.28 | 178  | 1195906  | 20.71 | ng/ul | 100      |
| 72) Carbazole                  | 17.55 | 167  | 1043415  | 21.06 | ng/ul | 100      |
| 73) Di-n-butylphthalate        | 18.11 | 149  | 1221087  | 21.41 | ng/ul | 100      |
| 74) Fluoranthene               | 19.20 | 202  | 1401248  | 21.71 | ng/ul | 100      |
| 77) Pyrene                     | 19.57 | 202  | 1488256  | 20.05 | ng/ul | 100      |
| 78) Butylbenzylphthalate       | 20.47 | 149  | 557714   | 21.12 | ng/ul | 100      |
| 79) 3,3'-Dichlorobenzidine     | 21.26 | 252  | 407531   | 21.07 | ng/ul | 100      |
| 80) Benzo(a)anthracene         | 21.32 | 228  | 1353321  | 20.56 | ng/ul | 100      |
| 81) Bis(2-ethylhexyl)phthalate | 21.25 | 149  | 786549   | 21.23 | ng/ul | 100      |
| 82) Chrysene                   | 21.37 | 228  | 1282820  | 20.63 | ng/ul | 100      |
| 84) Di-n-octyl phthalate       | 22.13 | 149  | 1299889  | 19.45 | ng/ul | 100      |
| 85) Benzo(b)fluoranthene       | 22.91 | 252  | 1273353  | 20.82 | ng/ul | 100      |
| 86) Benzo(k)fluoranthene       | 22.96 | 252  | 1183988  | 20.45 | ng/ul | 100      |
| 88) Benzo(a)pyrene             | 23.50 | 252  | 1149206  | 20.76 | ng/ul | 100      |
| 89) Indeno(1,2,3-cd)pyrene     | 25.87 | 276  | 1117447  | 20.49 | ng/ul | 100      |
| 90) Dibenzo(a,h)anthracene     | 25.88 | 278  | 941049   | 20.67 | ng/ul | 100      |
| 91) Benzo(g,h,i)perylene       | 26.57 | 276  | 930425   | 20.69 | ng/ul | 100      |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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