

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM050716\  
 Data File : BM005323.D  
 Acq On : 07 May 2016 23:25  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02054

Quant Time: May 08 01:23:03 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM050516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat May 07 07:05:19 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 66317    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.56 | 136  | 324724   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.41 | 164  | 217150   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.16 | 188  | 539300   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.35 | 240  | 621203   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.62 | 264  | 615557   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 10979  | 7.78  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.94  | 99  | 123106 | 20.47 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 67409  | 19.64 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.30  | 132 | 93024  | 20.48 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.47  | 113 | 101774 | 20.47 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.93  | 128 | 47756  | 20.60 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.65  | 143 | 53959  | 20.56 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.18 | 165 | 103660 | 21.25 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.70 | 131 | 139839 | 23.81 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.82 | 166 | 346939 | 19.93 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.10 | 160 | 420835 | 20.61 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.62 | 143 | 62850  | 19.78 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.40 | 176 | 309520 | 20.59 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 63261  | 20.85 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.26 | 188 | 510343 | 21.41 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.56 | 212 | 586182 | 20.44 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.48 | 264 | 565987 | 20.77 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |             | Qvalue |
|--------------------------------|-------|-----|--------|-------------|--------|
| 2) 1,4-Dioxane                 | 3.30  | 88  | 19495  | 7.58 ng/uL# | 95     |
| 4) Benzaldehyde                | 6.92  | 77  | 75109  | 25.77 ng/ul | 97     |
| 6) Phenol                      | 6.97  | 94  | 127607 | 20.53 ng/ul | 99     |
| 8) Bis(2-Chloroethyl)ether     | 7.20  | 93  | 92843  | 19.84 ng/ul | 97     |
| 10) 2-Chlorophenol             | 7.33  | 128 | 94292  | 20.29 ng/ul | 96     |
| 11) 2-Methylphenol             | 8.21  | 108 | 98776  | 20.56 ng/ul | 98     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.30  | 45  | 128974 | 20.32 ng/ul | 99     |
| 14) Acetophenone               | 8.59  | 105 | 157043 | 21.32 ng/ul | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.57  | 70  | 80522  | 20.92 ng/ul | 98     |
| 16) 4-Methylphenol             | 8.54  | 108 | 109965 | 20.62 ng/ul | 98     |
| 17) Hexachloroethane           | 8.84  | 117 | 35069  | 20.06 ng/ul | 90     |
| 20) Nitrobenzene               | 8.97  | 77  | 118591 | 20.43 ng/ul | 99     |
| 21) Isophorone                 | 9.49  | 82  | 227447 | 20.18 ng/ul | 99     |
| 23) 2-Nitrophenol              | 9.67  | 139 | 58821  | 20.80 ng/ul | 96     |
| 24) 2,4-Dimethylphenol         | 9.73  | 107 | 125364 | 20.89 ng/ul | 98     |
| 25) Bis(2-Chloroethoxy)methane | 9.97  | 93  | 136499 | 19.45 ng/ul | 99     |
| 27) 2,4-Dichlorophenol         | 10.21 | 162 | 104466 | 20.91 ng/ul | 97     |
| 28) Naphthalene                | 10.61 | 128 | 333913 | 20.44 ng/ul | 99     |
| 30) 4-Chloroaniline            | 10.72 | 127 | 142797 | 23.85 ng/ul | 96     |
| 31) Hexachlorobutadiene        | 10.89 | 225 | 62131  | 20.92 ng/ul | 98     |
| 32) Caprolactam                | 11.48 | 113 | 24998  | 13.43 ng/ul | 95     |
| 33) 4-Chloro-3-methylphenol    | 11.85 | 107 | 128098 | 21.38 ng/ul | 99     |
| 34) 2-Methylnaphthalene        | 12.22 | 142 | 254849 | 20.86 ng/ul | 100    |

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 Quant Title : SVOA CALIBRATION  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.59 | 216  | 134421   | 20.35 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.57 | 237  | 54914    | 16.27 | ng/ul  | 94       |
| 38) 2,4,6-Trichlorophenol      | 12.84 | 196  | 90266    | 20.52 | ng/ul  | 95       |
| 39) 2,4,5-Trichlorophenol      | 12.91 | 196  | 98328    | 20.14 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.24 | 154  | 345152   | 20.06 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.28 | 162  | 266629   | 20.50 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.49 | 65   | 83561    | 20.87 | ng/ul  | 95       |
| 44) Dimethylphthalate          | 13.87 | 163  | 347866   | 20.00 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.99 | 165  | 72764    | 21.22 | ng/ul  | 91       |
| 47) Acenaphthylene             | 14.13 | 152  | 448067   | 20.74 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.33 | 138  | 80082    | 21.90 | ng/ul  | 98       |
| 49) Acenaphthene               | 14.47 | 153  | 292368   | 20.54 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.54 | 184  | 34397    | 17.43 | ng/ul  | 94       |
| 52) 4-Nitrophenol              | 14.64 | 109  | 54005    | 20.44 | ng/ul  | 94       |
| 53) Dibenzofuran               | 14.81 | 168  | 428180   | 20.73 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.79 | 165  | 109594   | 21.43 | ng/ul  | 96       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.04 | 232  | 88311    | 21.28 | ng/ul# | 96       |
| 56) Diethylphthalate           | 15.23 | 149  | 355948   | 20.26 | ng/ul  | 99       |
| 58) Fluorene                   | 15.46 | 166  | 340582   | 21.09 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.46 | 204  | 169042   | 21.13 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.49 | 138  | 84113    | 21.71 | ng/ul  | 98       |
| 63) 4,6-Dinitro-2-methylphenol | 15.55 | 198  | 66156    | 20.75 | ng/ul# | 90       |
| 64) N-Nitrosodiphenylamine     | 15.67 | 169  | 306451   | 20.75 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.35 | 248  | 107616   | 20.81 | ng/ul  | 98       |
| 66) Hexachlorobenzene          | 16.47 | 284  | 121511   | 20.95 | ng/ul  | 98       |
| 67) Atrazine                   | 16.62 | 200  | 117780   | 21.85 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 16.82 | 266  | 65207    | 20.24 | ng/ul  | 96       |
| 69) Phenanthrene               | 17.20 | 178  | 594054   | 20.95 | ng/ul  | 100      |
| 71) Anthracene                 | 17.29 | 178  | 598422   | 21.17 | ng/ul  | 100      |
| 72) Carbazole                  | 17.57 | 167  | 552443   | 22.21 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.12 | 149  | 631945   | 20.83 | ng/ul  | 100      |
| 74) Fluoranthene               | 19.22 | 202  | 720202   | 22.92 | ng/ul  | 98       |
| 77) Pyrene                     | 19.59 | 202  | 738376   | 20.49 | ng/ul  | 99       |
| 78) Butylbenzylphthalate       | 20.48 | 149  | 314710   | 21.04 | ng/ul  | 100      |
| 79) 3,3'-Dichlorobenzidine     | 21.27 | 252  | 240768   | 21.56 | ng/ul  | 98       |
| 80) Benzo(a)anthracene         | 21.34 | 228  | 729483   | 20.41 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.26 | 149  | 441029   | 21.22 | ng/ul  | 98       |
| 82) Chrysene                   | 21.39 | 228  | 707190   | 20.86 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.14 | 149  | 807521   | 22.46 | ng/ul  | 98       |
| 85) Benzo(b)fluoranthene       | 22.94 | 252  | 762985   | 21.21 | ng/ul  | 99       |
| 86) Benzo(k)fluoranthene       | 22.99 | 252  | 718712   | 21.22 | ng/ul  | 99       |
| 88) Benzo(a)pyrene             | 23.53 | 252  | 707483   | 20.79 | ng/ul  | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.92 | 276  | 714117   | 19.23 | ng/ul  | 97       |
| 90) Dibenzo(a,h)anthracene     | 25.93 | 278  | 607238   | 19.54 | ng/ul  | 98       |
| 91) Benzo(g,h,i)perylene       | 26.62 | 276  | 583408   | 18.55 | ng/ul  | 98       |

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

