

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM013015\  
 Data File : BM000404.D  
 Acq On : 30 Jan 2015 17:34  
 Operator : TP/IZ  
 Sample : SSTD02063  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTD02063

Manual Integrations  
 APPROVED

apatel  
 2/2/2015 12:49:50 PM

Quant Time: Jan 30 22:30:51 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM01.2-EPA-BM012915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jan 30 16:03:45 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 203286   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.54 | 136  | 885737   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.40 | 164  | 688630   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.15 | 188  | 1554294  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.34 | 240  | 1696361  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.61 | 264  | 1432675  | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 23270   | 8.49  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.92  | 99  | 292750  | 20.35 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.09  | 67  | 182707  | 20.11 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.29  | 132 | 239559  | 20.14 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.46  | 113 | 251217  | 20.33 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.92  | 128 | 120830  | 20.34 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.63  | 143 | 131915  | 20.97 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.16 | 165 | 283611  | 20.45 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.69 | 131 | 355715  | 21.45 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.82 | 166 | 1025644 | 19.87 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.09 | 160 | 1191571 | 19.55 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.60 | 143 | 163678  | 20.81 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.40 | 176 | 892213  | 19.75 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 175914  | 20.70 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.25 | 188 | 1435905 | 19.93 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.54 | 212 | 1616815 | 18.46 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.46 | 264 | 1353904 | 19.84 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.25  | 88  | 29314  | 7.63 ng/uL#  | 56     |
| 4) Benzaldehyde                | 6.89  | 77  | 203976 | 21.58 ng/ul  | 98     |
| 6) Phenol                      | 6.95  | 94  | 298494 | 20.43 ng/ul  | 98     |
| 8) Bis(2-Chloroethyl)ether     | 7.18  | 93  | 232067 | 20.16 ng/ul  | 97     |
| 10) 2-Chlorophenol             | 7.32  | 128 | 252160 | 20.77 ng/ul  | 99     |
| 11) 2-Methylphenol             | 8.19  | 108 | 245526 | 20.42 ng/ul  | 100    |
| 12) 2,2'-oxybis(1-Chloropropan | 8.29  | 45  | 484698 | 20.22 ng/ul  | 98     |
| 14) Acetophenone               | 8.57  | 105 | 434311 | 19.98 ng/ul  | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.56  | 70  | 212596 | 19.92 ng/ul  | 95     |
| 16) 4-Methylphenol             | 8.52  | 108 | 270034 | 20.75 ng/ul  | 93     |
| 17) Hexachloroethane           | 8.83  | 117 | 115343 | 19.61 ng/ul  | 93     |
| 20) Nitrobenzene               | 8.95  | 77  | 337042 | 19.63 ng/ul  | 97     |
| 21) Isophorone                 | 9.47  | 82  | 609277 | 19.97 ng/ul  | 97     |
| 23) 2-Nitrophenol              | 9.66  | 139 | 145875 | 21.06 ng/ul# | 82     |
| 24) 2,4-Dimethylphenol         | 9.72  | 107 | 355288 | 19.76 ng/ul  | 99     |
| 25) Bis(2-Chloroethoxy)methane | 9.96  | 93  | 327176 | 19.85 ng/ul  | 97     |
| 27) 2,4-Dichlorophenol         | 10.19 | 162 | 278946 | 20.07 ng/ul  | 98     |
| 28) Naphthalene                | 10.60 | 128 | 876443 | 19.80 ng/ul  | 99     |
| 30) 4-Chloroaniline            | 10.71 | 127 | 366674 | 21.35 ng/ul  | 98     |
| 31) Hexachlorobutadiene        | 10.88 | 225 | 219350 | 19.48 ng/ul  | 98     |
| 32) Caprolactam                | 11.46 | 113 | 83318m | 22.22 ng/ul  |        |
| 33) 4-Chloro-3-methylphenol    | 11.83 | 107 | 326807 | 19.55 ng/ul  | 95     |
| 34) 2-Methylnaphthalene        | 12.22 | 142 | 684799 | 19.90 ng/ul  | 98     |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.59 | 216  | 393719   | 19.07 | ng/ul | 98       |
| 37) Hexachlorocyclopentadiene  | 12.56 | 237  | 250080   | 19.50 | ng/ul | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.83 | 196  | 240866   | 19.12 | ng/ul | 95       |
| 39) 2,4,5-Trichlorophenol      | 12.90 | 196  | 271568   | 19.61 | ng/ul | 97       |
| 40) 1,1'-Biphenyl              | 13.23 | 154  | 972912   | 19.49 | ng/ul | 98       |
| 41) 2-Chloronaphthalene        | 13.27 | 162  | 755908   | 19.44 | ng/ul | 98       |
| 42) 2-Nitroaniline             | 13.48 | 65   | 243620   | 19.61 | ng/ul | 99       |
| 44) Dimethylphthalate          | 13.86 | 163  | 1033141  | 19.86 | ng/ul | 97       |
| 45) 2,6-Dinitrotoluene         | 13.99 | 165  | 197201   | 20.72 | ng/ul | 93       |
| 47) Acenaphthylene             | 14.12 | 152  | 1236908  | 19.73 | ng/ul | 98       |
| 48) 3-Nitroaniline             | 14.31 | 138  | 196344   | 21.24 | ng/ul | 95       |
| 49) Acenaphthene               | 14.47 | 153  | 797458   | 19.64 | ng/ul | 98       |
| 50) 2,4-Dinitrophenol          | 14.52 | 184  | 99366    | 19.51 | ng/ul | 94       |
| 52) 4-Nitrophenol              | 14.62 | 109  | 254595   | 19.66 | ng/ul | 95       |
| 53) Dibenzofuran               | 14.80 | 168  | 1192202  | 19.70 | ng/ul | 99       |
| 54) 2,4-Dinitrotoluene         | 14.77 | 165  | 299815   | 20.57 | ng/ul | 95       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.03 | 232  | 247349   | 20.18 | ng/ul | 94       |
| 56) Diethylphthalate           | 15.23 | 149  | 1097770  | 20.01 | ng/ul | 98       |
| 58) Fluorene                   | 15.46 | 166  | 994330   | 19.69 | ng/ul | 97       |
| 59) 4-Chlorophenyl-phenylether | 15.45 | 204  | 523408   | 19.62 | ng/ul | 96       |
| 60) 4-Nitroaniline             | 15.48 | 138  | 211929   | 21.48 | ng/ul | 90       |
| 63) 4,6-Dinitro-2-methylphenol | 15.53 | 198  | 174723   | 20.21 | ng/ul | 98       |
| 64) N-Nitrosodiphenylamine     | 15.66 | 169  | 854162   | 19.66 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.34 | 248  | 320511   | 19.33 | ng/ul | 97       |
| 66) Hexachlorobenzene          | 16.46 | 284  | 370726   | 19.43 | ng/ul | 98       |
| 67) Atrazine                   | 16.62 | 200  | 355528   | 20.22 | ng/ul | 98       |
| 68) Pentachlorophenol          | 16.80 | 266  | 207861   | 19.43 | ng/ul | 95       |
| 69) Phenanthrene               | 17.19 | 178  | 1684953  | 19.86 | ng/ul | 99       |
| 71) Anthracene                 | 17.28 | 178  | 1686971  | 19.74 | ng/ul | 99       |
| 72) Carbazole                  | 17.55 | 167  | 1493484  | 20.39 | ng/ul | 100      |
| 73) Di-n-butylphthalate        | 18.12 | 149  | 1820872  | 20.84 | ng/ul | 99       |
| 74) Fluoranthene               | 19.21 | 202  | 2035774  | 20.64 | ng/ul | 99       |
| 77) Pyrene                     | 19.57 | 202  | 2106327  | 18.60 | ng/ul | 99       |
| 78) Butylbenzylphthalate       | 20.48 | 149  | 824635   | 20.33 | ng/ul | 99       |
| 79) 3,3'-Dichlorobenzidine     | 21.26 | 252  | 646356   | 21.31 | ng/ul | 100      |
| 80) Benzo(a)anthracene         | 21.33 | 228  | 1981473  | 19.83 | ng/ul | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.26 | 149  | 1175506  | 20.48 | ng/ul | 96       |
| 82) Chrysene                   | 21.38 | 228  | 1849973  | 19.89 | ng/ul | 100      |
| 84) Di-n-octyl phthalate       | 22.14 | 149  | 1956034  | 20.40 | ng/ul | 100      |
| 85) Benzo(b)fluoranthene       | 22.93 | 252  | 1807899  | 19.70 | ng/ul | 100      |
| 86) Benzo(k)fluoranthene       | 22.97 | 252  | 1788282  | 19.93 | ng/ul | 99       |
| 88) Benzo(a)pyrene             | 23.51 | 252  | 1672157  | 20.00 | ng/ul | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.89 | 276  | 1662816  | 19.88 | ng/ul | 97       |
| 90) Dibenzo(a,h)anthracene     | 25.90 | 278  | 1394145  | 20.04 | ng/ul | 99       |
| 91) Benzo(g,h,i)perylene       | 26.59 | 276  | 1387389  | 20.02 | ng/ul | 98       |

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

