

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM100115\  
 Data File : BM002812.D  
 Acq On : 01 Oct 2015 20:12  
 Operator : UM/IZ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 SSTD02001

Manual Integrations  
 APPROVED

MMDadoda  
 10/2/2015 6:07:39 PM

Quant Time: Oct 02 05:55:32 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM092915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 02 01:21:34 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.69  | 152  | 60669    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.55 | 136  | 257940   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 15.28 | 164  | 133240   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 18.00 | 188  | 275255   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 22.08 | 240  | 296179   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 24.67 | 264  | 299900   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.76  | 96  | 11027  | 8.44  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.80  | 99  | 92522  | 20.13 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.98  | 67  | 51400  | 19.88 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 8.20  | 132 | 85778  | 20.05 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.39  | 113 | 77203  | 20.37 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.88  | 128 | 39911  | 20.29 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.61 | 143 | 42040  | 20.45 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 11.15 | 165 | 73438  | 20.24 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.67 | 131 | 92375  | 21.15 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.66 | 166 | 205867 | 20.54 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.99 | 160 | 269607 | 20.15 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 15.46 | 143 | 34952  | 19.64 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 16.26 | 176 | 185370 | 20.53 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 16.38 | 200 | 26641  | 19.84 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 18.09 | 188 | 267726 | 20.38 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 20.33 | 212 | 274463 | 19.85 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.50 | 264 | 307843 | 20.07 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.80  | 88  | 11607  | 8.03  | ng/uL | 98     |
| 4) Benzaldehyde                | 7.80  | 77  | 53959  | 20.92 | ng/ul | 99     |
| 6) Phenol                      | 7.83  | 94  | 95848  | 20.18 | ng/ul | 99     |
| 8) Bis(2-Chloroethyl)ether     | 8.07  | 93  | 75049  | 20.06 | ng/ul | 98     |
| 10) 2-Chlorophenol             | 8.24  | 128 | 87694  | 20.20 | ng/ul | 98     |
| 11) 2-Methylphenol             | 9.12  | 108 | 74760  | 20.38 | ng/ul | 100    |
| 12) 2,2'-oxybis(1-Chloropropan | 9.21  | 45  | 102007 | 19.79 | ng/ul | 100    |
| 14) Acetophenone               | 9.53  | 105 | 116815 | 20.49 | ng/ul | 99     |
| 15) N-Nitroso-di-n-propylamine | 9.49  | 70  | 53914  | 20.11 | ng/ul | 98     |
| 16) 4-Methylphenol             | 9.45  | 108 | 80834  | 20.43 | ng/ul | 95     |
| 17) Hexachloroethane           | 9.79  | 117 | 32674  | 20.09 | ng/ul | 97     |
| 20) Nitrobenzene               | 9.92  | 77  | 77634  | 19.93 | ng/ul | 98     |
| 21) Isophorone                 | 10.44 | 82  | 149379 | 20.19 | ng/ul | 100    |
| 23) 2-Nitrophenol              | 10.65 | 139 | 46148  | 20.32 | ng/ul | 99     |
| 24) 2,4-Dimethylphenol         | 10.67 | 107 | 84831  | 20.36 | ng/ul | 98     |
| 25) Bis(2-Chloroethoxy)methane | 10.91 | 93  | 96550  | 19.90 | ng/ul | 99     |
| 27) 2,4-Dichlorophenol         | 11.18 | 162 | 73834  | 20.23 | ng/ul | 99     |
| 28) Naphthalene                | 11.60 | 128 | 266310 | 20.22 | ng/ul | 99     |
| 30) 4-Chloroaniline            | 11.70 | 127 | 96115  | 21.32 | ng/ul | 99     |
| 31) Hexachlorobutadiene        | 11.85 | 225 | 42019  | 19.66 | ng/ul | 99     |
| 32) Caprolactam                | 12.43 | 113 | 25239  | 21.84 | ng/ul | 94     |
| 33) 4-Chloro-3-methylphenol    | 12.77 | 107 | 75455  | 20.62 | ng/ul | 99     |
| 34) 2-Methylnaphthalene        | 13.16 | 142 | 186436 | 20.34 | ng/ul | 98     |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 35) 1-Methylnaphthalene        | 13.37 | 142  | 180475   | 20.27 | ng/ul | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.51 | 216  | 82514    | 19.83 | ng/ul | 96       |
| 38) Hexachlorocyclopentadiene  | 13.47 | 237  | 16177    | 13.31 | ng/ul | 96       |
| 39) 2,4,6-Trichlorophenol      | 13.74 | 196  | 50734    | 19.47 | ng/ul | 98       |
| 40) 2,4,5-Trichlorophenol      | 13.82 | 196  | 55473    | 19.93 | ng/ul | 99       |
| 41) 1,1'-Biphenyl              | 14.13 | 154  | 228647   | 20.08 | ng/ul | 100      |
| 42) 2-Chloronaphthalene        | 14.19 | 162  | 172751   | 19.85 | ng/ul | 99       |
| 43) 2-Nitroaniline             | 14.38 | 65   | 42887    | 20.64 | ng/ul | 95       |
| 45) Dimethylphthalate          | 14.71 | 163  | 211011   | 20.71 | ng/ul | 100      |
| 46) 2,6-Dinitrotoluene         | 14.85 | 165  | 43828    | 21.03 | ng/ul | 96       |
| 48) Acenaphthylene             | 15.02 | 152  | 286987   | 20.34 | ng/ul | 100      |
| 49) 3-Nitroaniline             | 15.19 | 138  | 45780    | 21.23 | ng/ul | 98       |
| 50) Acenaphthene               | 15.34 | 153  | 189080   | 20.29 | ng/ul | 100      |
| 51) 2,4-Dinitrophenol          | 15.41 | 184  | 12724    | 17.43 | ng/ul | 94       |
| 53) 4-Nitrophenol              | 15.47 | 109  | 19888    | 19.73 | ng/ul | 95       |
| 54) Dibenzofuran               | 15.67 | 168  | 255185   | 20.21 | ng/ul | 100      |
| 55) 2,4-Dinitrotoluene         | 15.63 | 165  | 63383    | 21.52 | ng/ul | 96       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.89 | 232  | 40380    | 19.55 | ng/ul | 97       |
| 57) Diethylphthalate           | 16.04 | 149  | 213081   | 20.81 | ng/ul | 100      |
| 59) Fluorene                   | 16.31 | 166  | 213997   | 20.65 | ng/ul | 97       |
| 60) 4-Chlorophenyl-phenylether | 16.29 | 204  | 97123    | 20.32 | ng/ul | 99       |
| 61) 4-Nitroaniline             | 16.33 | 138  | 48673    | 20.74 | ng/ul | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 16.40 | 198  | 28072    | 19.73 | ng/ul | 99       |
| 65) N-Nitrosodiphenylamine     | 16.50 | 169  | 181165   | 20.05 | ng/ul | 99       |
| 66) 4-Bromophenyl-phenylether  | 17.17 | 248  | 56657    | 19.84 | ng/ul | 100      |
| 67) Hexachlorobenzene          | 17.30 | 284  | 65144    | 20.02 | ng/ul | 98       |
| 68) Atrazine                   | 17.41 | 200  | 63209    | 20.88 | ng/ul | 99       |
| 69) Pentachlorophenol          | 17.64 | 266  | 20841m   | 16.75 | ng/ul |          |
| 70) Phenanthrene               | 18.04 | 178  | 321980   | 20.22 | ng/ul | 99       |
| 72) Anthracene                 | 18.13 | 178  | 332513   | 20.52 | ng/ul | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 14.10 | 216  | 79519    | 19.16 | ng/uL | 98       |
| 74) Pentachlorobenzene         | 15.59 | 250  | 75762    | 19.62 | ng/uL | 100      |
| 75) Carbazole                  | 18.39 | 167  | 300148   | 21.21 | ng/ul | 100      |
| 76) Di-n-butylphthalate        | 18.87 | 149  | 372391   | 20.59 | ng/ul | 99       |
| 77) Fluoranthene               | 20.00 | 202  | 354156   | 21.54 | ng/ul | 99       |
| 80) Pyrene                     | 20.36 | 202  | 368762   | 19.60 | ng/ul | 99       |
| 81) Butylbenzylphthalate       | 21.16 | 149  | 170894   | 20.17 | ng/ul | 100      |
| 82) 3,3'-Dichlorobenzidine     | 21.97 | 252  | 119068   | 21.67 | ng/ul | 99       |
| 83) Benzo(a)anthracene         | 22.07 | 228  | 351407   | 19.96 | ng/ul | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.90 | 149  | 252722   | 19.87 | ng/ul | 99       |
| 85) Chrysene                   | 22.12 | 228  | 331925   | 19.99 | ng/ul | 99       |
| 87) Di-n-octyl phthalate       | 22.87 | 149  | 438425   | 20.50 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 23.87 | 252  | 366973   | 20.37 | ng/ul | 100      |
| 89) Benzo(k)fluoranthene       | 23.92 | 252  | 336963   | 19.76 | ng/ul | 99       |
| 91) Benzo(a)pyrene             | 24.56 | 252  | 347517   | 20.08 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 27.39 | 276  | 404923   | 20.06 | ng/ul | 98       |
| 93) Dibenzo(a,h)anthracene     | 27.39 | 278  | 342388   | 20.08 | ng/ul | 100      |
| 94) Benzo(g,h,i)perylene       | 28.24 | 276  | 339599   | 19.98 | ng/ul | 99       |

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

